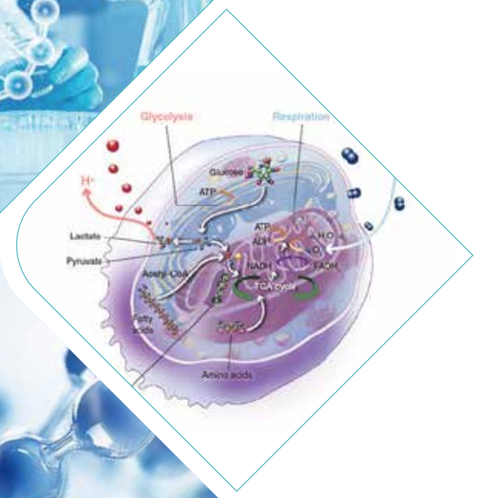
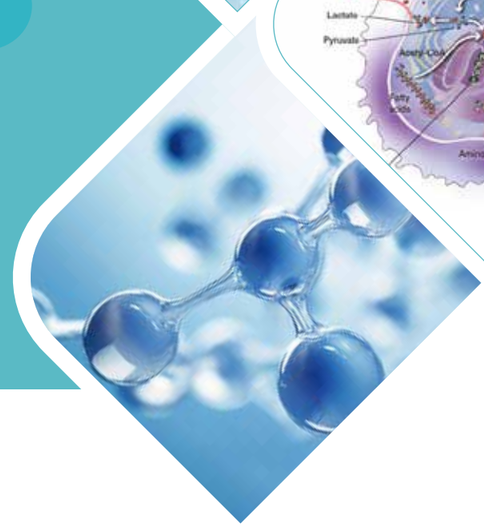
Innovating for life science since 2004

北京普利莱基因技术有限公司
BEI JING APPLYGEN TECHNOLOGIES CO., LTD.
地址：北京市昌平区振兴路36号院2号楼330
电话：010-62053186　网址：www.applygen.com

APPLYGEN





糖代谢检测试剂盒

北京普利莱基因技术有限公司
BEIJING APPLYGEN GENE TECHNOLOGY CO., LTD

COMPANY PROFILE

公司简介

北京普利莱基因技术有限公司于2004年成立，由留美归国人员创建，先后获得北京市高新技术企业、国家高新技术企业称号和证书，致力于研发生产具有自主知识产权、用于生物医学实验研究的各种工具试剂。

经过二十多年的积累和技术攻关，相继推出具有数百种自主知识产权的科研试剂，产品范围涵盖蛋白质组学、细胞生物学、分子生物学、生物化学、免疫学和实验医学等各类研究领域。建立了基因检测、蛋白印迹、免疫组化、基因克隆与表达、抗体制备和各类生化指标检测服务平台，已成为中国科研工作者信赖的、对生命科学研究起到推动作用的高端国产试剂生物技术公司。

发表文章

累计超过10万篇SCI论文引用！

线粒体氧化磷酸化和糖酵解是糖代谢的两种方式。在氧气充足的情况下，正常哺乳动物利用氧化磷酸化通过细胞线粒体中的葡萄糖和氧气的代谢过程产生 ATP 供给能量。糖酵解受到抑制。研究发现，即使在氧含量正常的情况下，一些细胞的葡萄糖摄取量和乳酸的积累量也会逐渐升高，这种利用糖酵解作为主要能量代谢的来源，使葡萄糖转化为乳酸来产生 ATP 的现象称为“Warburg 效应”。肿瘤细胞和一些生殖细胞表现出增强的糖酵解，减弱的氧化磷酸化，也是国自然代谢重编程研究最多的主题之一。普利莱紧跟科学研究前沿，自主研发相关检测试剂盒，引用文献近1000篇。

葡萄糖含量测定

货号	产品名称	规格
E1010-200	液体样本葡萄糖 GLU 含量测定试剂盒（氧化酶法）	200 次
E1010-500	液体样本葡萄糖 GLU 含量测定试剂盒（氧化酶法）	500 次
E1011	组织细胞葡萄糖 GLU 含量测定试剂盒（氧化酶法）	105 次
E1009	尿葡萄糖 GLU 含量测定试剂盒（氧化酶法）	200 次

葡萄糖不仅是糖代谢途径的能量来源，也是生命体新陈代谢必不可少的营养物质，因此科研中检测葡萄糖含量变化是研究糖代谢及其关联代谢通路的重要指标之一。采用氧化酶法（GOD-POD 法）进行葡萄糖含量测定，是世界卫生组织和中国《全国临床检验操作规程》推荐的临床血糖检测方法。普利莱葡萄糖含量测定试剂盒，经过改良优化，检测灵敏度比普通方法提高约 10 倍，其检测下限为 5~10μmol/L，线性范围在 10~20000μmol/L，并以其操作简便、灵敏度高被广泛应用。

特点

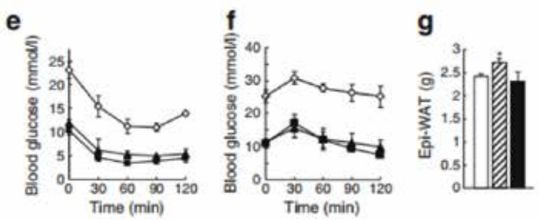
★稳定性好，操作简单

★灵敏度高，线性范围广

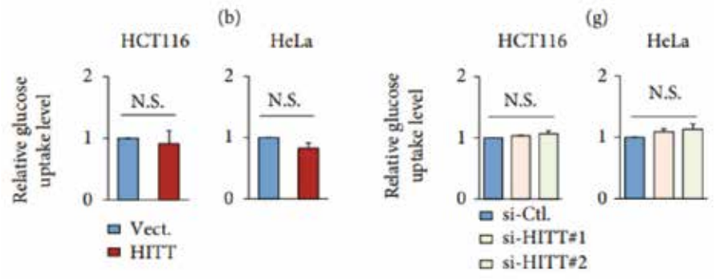
★组织或细胞内、血液、尿液、培养基上清均可测定

★微量样本即可使用酶标仪高通量测定

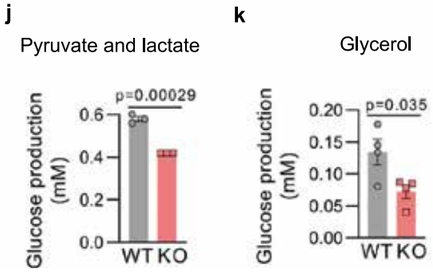
使用普利莱葡萄糖含量测定试剂盒发表的文章结果展示：



文献来源：Identification of the antibiotic ionomycin as an unexpected peroxisome proliferator-activated receptor γ (PPARγ) ligand with a unique binding mode and effective glucose-lowering activity in a mouse model of diabetes[J]. Diabetologia, 2013. IF:10.5



文献来源：lncRNA HITT inhibits lactate production by repressing PKM2 oligomerization to reduce tumor growth and macrophage polarization[J]. Research, 2022. IF:11



文献来源：Zhao, Q., Cui, X., Zhu, Q. et al. Non-catalytic mechanisms of KMT5C regulating hepatic gluconeogenesis. Nat Commun 16, 1483 (2025) IF:15.7

乳酸含量检测

货号	产品名称	规格
E2063	乳酸 LA 含量测定试剂盒	48 次

乳酸是糖代谢的中间产物，也是肌肉疲劳和高乳酸血症的重要生物标志物，可以作为监测细胞内代谢途径变化的标志物。癌细胞在糖酵解过程中产生的乳酸参与了肿瘤细胞代谢途径的多种机制，如维持代谢共生、作为 TCA 循环底物、调节肿瘤必需基因表达等。普利莱乳酸测定试剂盒（E2063）可定量检测乳酸，具有操作简单、灵敏度高、稳定性强等优点。

检测原理：乳酸在乳酸脱氢酶的作用下生成丙酮酸，同时使 NAD^+ 还原生成 NADH 和 H+。PMS 传递 H+使 WST-8 还原为有色产物，在 450nm 处测吸光度，与乳酸含量呈线性关系。

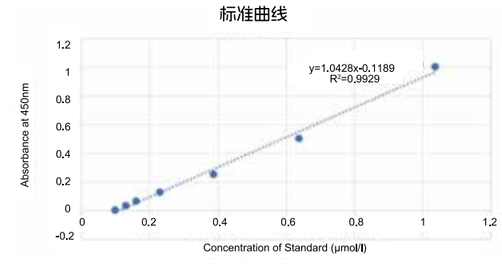
特点

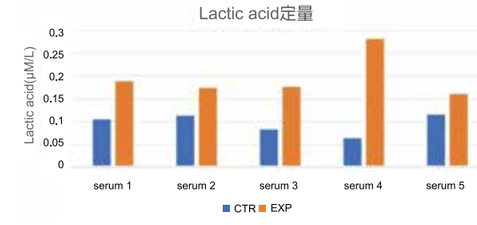
★操作步骤简单、耗时短、灵敏度高

★组织、细胞样本、培养基上清、血清等样本均适用

★稳定性强，批间批次差异 5% 之内

试剂盒标准曲线：





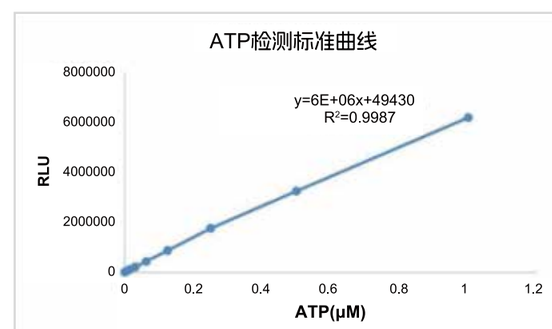
ATP 含量检测

货号	产品名称	规格
E2031	ATP 含量测定试剂盒（生物发光法）	96 次

ATP 是生物体内最直接的能量来源，在肌肉收缩、代谢反应、主动运输等方面被广泛使用，甚至被称作生物体内的能量货币。定量检测 ATP 可以判断微生物污染、细胞增殖、细胞损伤或细胞活化情况。

试剂盒采用生物发光法检测 ATP 含量，需使用化学发光酶标仪，经过特殊优化，具有良好的检测线性，比一般的试剂盒测定准确度高，另外，通过减缓发光信号衰减可带来较高的时间稳定性，发光信号可以在反应启动后 5-30min 内测定。线性范围为 0.001-1μM，灵敏度≤ 0.001μM。

样本适用范围：细胞裂解上清、组织裂解上清、细胞培养上清、血浆、血清及环保样品等。



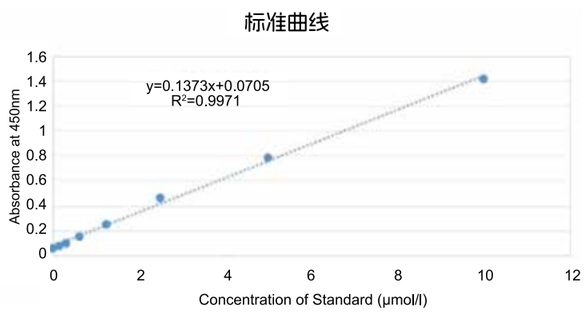
辅酶Ⅰ（NAD⁺/NADH）检测

货号	产品名称	规格
E2032	液体样本辅酶Ⅰ（NAD⁺/NADH）检测试剂盒 (WST-8法)	96次
E2033	组织细胞辅酶Ⅰ（NAD⁺/NADH）检测试剂盒 (WST-8法)	96次

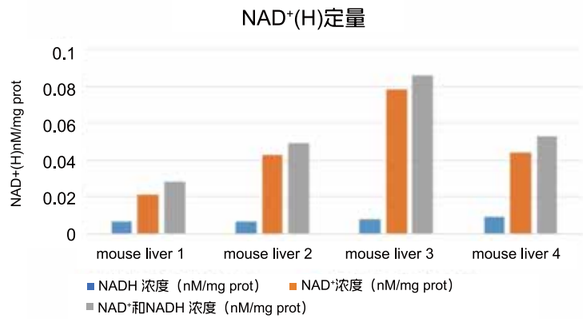
烟酰胺腺嘌呤二核苷酸 (NAD) 是参与糖酵解、电子转移系统和 TCA 循环等细胞主要代谢途径氧化还原反应的重要辅助因子。NAD 以氧化型 NAD^+和还原型 NADH 的形式存在于细胞中。维持适当的 NAD^+和 NADH 水平对细胞功能至关重要。

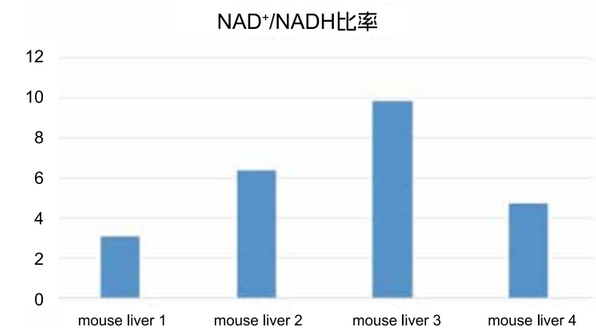
普利莱 NAD^+/NADH 检测试剂盒可以定量 NAD^+/NADH、NADH 和 NAD^+的量，并测量它们的比值。试剂盒利用NADH与CCK-8试剂反应生成NAD^+和甲赞 (Formazan)，通过测定甲赞450nm吸光度定量测定和甲赞(Formazan)，通过测定甲赞450nm吸光度定量测定NADH浓度。在该检测反应中，同时加入乙醇和乙醇脱氢酶（ADH），可以将生成的NAD^+还原为NADH，使检测反应成为循环反应，在乙醇、CCK-8 和ADH过量的条件下，生成的甲赞与NAD^+和NADH总量（NAD）成正相关，从而定量检测NAD浓度。在样本经过加热分解NAD^+后，可以定量检测NADH浓度。线性范围为0.156-10μM，灵敏度≤ 0.156μM。

试剂盒标准曲线：

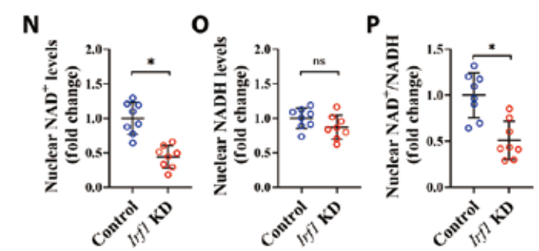


检测反应示意图如下：





使用普利莱辅酶Ⅰ含量测定试剂盒发表的文章结果展示：



文献来源：Ding, Qinchao , F. Cao , and S. Li . Hepatic NMNAT1 is required to defend against alcohol-associated fatty liver disease IF:12.5

糖原含量测定

货号	产品名称	规格
E1029-50	糖原（Glycogen）含量检测试剂盒（蒽酮比色法）	50次
E1029-100	糖原（Glycogen）含量检测试剂盒（蒽酮比色法）	100次

糖原代谢作为糖代谢的关键途径之一，与糖异生、糖酵解等途径共同维持生物体内糖类物质的平衡利用。糖原是由葡萄糖分子通过α-1,4-糖苷键和α-1,6-糖苷键连接而成的多糖，是人体内主要的储能形式之一。糖原主要储存在肝（肝糖原）和骨骼肌（肌糖原）中，同时在心肌、肾、脑等组织中也少量存在。

除了在维持血糖水平和提供能量方面的重要作用外，糖原代谢还参与调控细胞分化、信号传导和氧化还原等生物学过程，与糖尿病、非酒精性脂肪性肝病、肥胖及肿瘤等疾病的发生发展密切相关，而糖原含量的精准测定，是深入探究糖原代谢机制、揭示其与生理病理过程关联的重要基础。

常见的糖原含量测定方法主要包括蒽酮比色法、碘显色法、酶法、高效液相色谱法（HPLC）等。普利莱糖原（Glycogen）含量检测试剂盒（蒽酮比色法）E1029在经典蒽酮比色法基础上，经过多次改良升级，其优势如下：

操作简便

常规操作，步骤简单，60分钟内即可完成，提高实验效率

可检测微量样本

在经典方法基础上改良升级，样本量可低至10mg

结果准确可靠

质控标准严格，批间批次差异小，检测结果准确稳定、重复性高

糖代谢指标检测试剂盒

检测指标	货号	产品名称	规格	样本类型	检测仪器
葡萄糖	E1010-200	液体样本葡萄糖 GLU 含量测定试剂盒（氧化酶法）	200 次	血液 / 细胞培养上清	酶标仪
	E1010-500	液体样本葡萄糖 GLU 含量测定试剂盒（氧化酶法）	500 次		
	E1011	组织细胞葡萄糖 GLU 含量测定试剂盒（氧化酶法）	105 次	组织 / 细胞	
	E1009	尿葡萄糖 GLU 含量测定试剂盒（氧化酶法）	200 次	尿液	
乳酸脱氢酶 LDH	E1020	乳酸脱氢酶 LDH 活力测定试剂盒	100 次	血清 / 细胞培养上清 / 组织 / 细胞	酶标仪
乳酸 LA	E2063	乳酸LA含量测定试剂盒	48 次	血清 / 细胞培养上清 / 组织 / 细胞	酶标仪
ATP	E2031	ATP 含量测定试剂盒	96 次	血液 / 细胞培养上清 / 组织 / 细胞	化学发光仪 / 多功能酶标仪
NAD^+/ NADH	E2032	液体样本辅酶Ⅰ（NAD^+/ NADH）检测试剂盒 (WST-8 法)	96 次	血清、细胞培养上清	酶标仪
	E2033	组织细胞辅酶Ⅰ（NAD^+/ NADH）检测试剂盒 (WST-8 法)	96 次	组织 / 细胞	酶标仪
$NADP^+$/ NADPH	E2034	液体样本 辅酶Ⅱ（$NADP^+$/ NADPH）检测试剂盒 (WST-8 法)	96 次	血清、细胞培养上清	酶标仪
	E2035	组织细胞辅酶Ⅱ（$NADP^+$/ NADPH）检测试剂盒 (WST-8 法)	96 次	组织 / 细胞	酶标仪
糖原	E1029-50	糖原含量检测试剂盒（蒽酮比色法）	50次	组织 / 细胞	酶标仪
	E1029-100	糖原含量检测试剂盒（蒽酮比色法）	100 次		

部分引用文章节选：

Liao Y, Chen Q, Liu L, et al. Amino acid is a major carbon source for hepatic lipogenesis[J]. Cell Metabolism, 2024. （**IF:27.7**）

Qing W , Xianyi L , Kai W ,et al.Intestinal hypoxia-inducible factor 2α regulates lactate levels to shape the gut microbiome and alter thermogenesis[J].Cell metabolism, 2021 （**IF:27.3**）

Zhao, Q., Cui, X., Zhu, Q. et al. Non-catalytic mechanisms of KMT5C regulating hepatic gluconeogenesis. Nat Commun 16, 1483 (2025) （**IF:15.7**）

Wang, Y., Li, H., Lin, J. et al. Engineering nanozyme immunomodulator with magnetic targeting effect for cascade-enzyodynamic and ultrasound-reinforced metallo-immunotherapy in prostate carcinoma. Nat Commun 16, 1876 (2025) （**IF:15.7**）

Xiong, G., Yun, F., Jiang, L. et al. NDUFS3 promotes proliferation via glucose metabolism reprogramming inducing AMPK phosphorylating PRPS1 to increase the purine nucleotide synthesis in melanoma. Cell Death Differ (2025) （**IF:15.4**）

Chi, W., Kang, N., Sheng, L. et al. MCT1-governed pyruvate metabolism is essential for antibody class-switch recombination through H3K27 acetylation. Nat Commun 15, 163 (2024) （**IF:14.7**）

Wang Y, Zhang J, Shi H, et al. M2 tumor‐associated macrophages‐derived exosomal MALAT1 promotes glycolysis and gastric cancer progression[J]. Advanced science, 2024, 11(24): 2309298（**IF:14.3**）

Luo X , Huang B , Xu P ,et al.The Placenta Regulates Intrauterine Fetal Growth via Exosomal PPARγ[J].Advanced Science, 2025, 12(15) （**IF:14.1**）

Shengjie Z , Zi D , Yang F ,et al.WBSCR16 is essential for mitochondrial 16S rRNA processing in mammals[J].Nucleic Acids Research, 2025(3):3 （**IF:13.1**）

Ding, Qinchao， F. Cao , and S. Li . Hepatic NMNAT1 is required to defend against alcohol-associated fatty liver disease （**IF:12.5**）

Meng D, Wei X, Bai X, et al. Artificial in vitro synthetic enzymatic biosystem for the one-pot sustainable biomanufacturing of glucosamine from starch and inorganic ammonia[J]. Acs Catalysis, 2020, 10(23): 13809-13819（**IF:12.4**）

Zhang, X., Qiao, Y., Wu, Q. et al. The essential role of YAP O-GlcNAcylation in high-glucose-stimulated liver tumorigenesis. Nat Commun 8, 15280 (2017) （**IF:12.1**）

Luo K, Huang W, Qiao L, et al. Dendrocalamus latiflorus and its component rutin exhibit glucose-lowering activities by inhibiting hepatic glucose production via AKT activation[J]. Acta Pharmaceutica Sinica B, 2022, 12(5): 2239-2251 （**IF:11.6**）

Zhang K, Zhang T, Yang Y, et al. N6-methyladenosine-mediated LDHA induction potentiates chemoresistance of colorectal cancer cells through metabolic reprogramming[J]. Theranostics, 2022, 12(10): 4802（**IF:11.6**）

Xu, Ying Jiang, et al. Asparagine reinforces mTORC1 signaling to boost thermogenesis and glycolysis in adipose tissues.The EMBO Journal, vol. 40, no. 24, 2021, e108069（**IF:11.6**）

Kong M , Qiu L .Coordinated modulation of glucose metabolism and immunity via metal-drug nanovesicles for hepatocellular carcinoma therapy[J].Journal of Controlled Release, 2025, 384 （**IF:11.5**）

Meng D, Wei X, Zhang Y H P J, et al. Stoichiometric conversion of cellulosic biomass by in vitro synthetic enzymatic biosystems for biomanufacturing[J]. ACS Catalysis, 2018, 8(10): 9550-9559 （**IF:11.4**）

Zhang, T., et al.Dysregulated lipid metabolism blunts the sensitivity of cancer cells to EZH2 inhibitor. EBioMedicine, 2022. 77: p. 103872 **(IF=11.2)**

Zhao K, Wang X, Zhao D, et al. lncRNA HITT inhibits lactate production by repressing PKM2 oligomerization to reduce tumor growth and macrophage polarization[J]. Research, 2022（**IF:11.0**）

Chen J, Mei M S, Xu Y, et al. The impact of the methyl esters of homogalacturonan on cellular uptake dependent hypoglycemic activity in IR-HepG2 cells[J]. Carbohydrate polymers, 2022, 293: 119741（**IF:10.7**）

Deng S, Wang J, Hu Y, et al. Induction of therapeutic immunity and cancer eradication through biofunctionalized liposome-like nanovesicles derived from irradiated-cancer cells. J Nanobiotechnology. 2024 Apr 8;22(1):156（**IF:10.6**）

Chen X, Tao X, Wang M, et al. Circulating extracellular vesicle-derived miR-1299 disrupts hepatic glucose homeostasis by targeting the STAT3/FAM3A axis in gestational diabetes mellitus[J]. Journal of Nanobiotechnology, 2024, 22(1): 509（**IF:10.6**）

Zhuang P , Wu Y , Yao J ,et al.Marine n-3 polyunsaturated fatty acids slow sleep impairment progression by regulating central circadian rhythms in type 2 diabetes[J].Cell Reports Medicine[2025-09-16].-DOI:10.1016/j.xcrm.2025.102128 （**IF:10.6**）

Zhang J, Wu T, Li C, et al. A glycopolymersome strategy for 'drug-free'treatment of diabetic nephropathy[J]. Journal of Controlled Release, 2024, 372: 347-361（**IF:10.5**）

Wang, X., et al. Phase separation-based porous microneedle array for non-invasive point-of-care dermal interstitial fluid testing. Biosensors and Bioelectronics, 117701, 2025 （**IF:10.5**）

Xu P, Wang J, Hong F, et al. Melatonin prevents obesity through modulation of gut microbiota in mice[J]. Journal of pineal research, 2017, 62(4): e12399（**IF:10.4**）

Yang, L., Hu, C., Chen, X. et al. Ubiquitination-mediated upregulation of glycolytic enzyme MCT4 in promoting astrocyte reactivity during neuroinflammation. J Neuroinflammation 22, 126 (2025) （**IF:10.1**）

Jin L, Feng X, Rong H, et al. The antiparasitic drug ivermectin is a novel FXR ligand that regulates metabolism[J]. Nature communications, 2013, 4(1): 1937（**IF:10.0**）

He, Y., Wang, X., Lu, W. et al. PGK1 contributes to tumorigenesis and sorafenib resistance of renal clear cell carcinoma via activating CXCR4/ERK signaling pathway and accelerating glycolysis. Cell Death Dis 13, 118 (2022) （**IF:9.7**）

Liao C H, Yao L, Xu Y, et al. Nitrogen regulator GlnR controls uptake and utilization of non-phosphotransferase-system carbon sources in actinomycetes[J]. Proceedings of the National Academy of Sciences, 2015, 112(51): 15630

-15635（**IF:9.7**）

Su M , Li C , Deng S ,et al.Balance between the CMC/ACP Nanocomplex and Blood Assimilation Orchestrates Immunomodulation of the Biomineralized Collagen Matrix[J].ACS Applied Materials & Interfaces, 2023, 15(50):15（**IF:9.5**）

Xu Y, Shi T, Cui X, et al. Asparagine reinforces mTORC1 signaling to boost thermogenesis and glycolysis in adipose tissues[J]. The EMBO journal, 2021, 40(24): e108069（**IF:9.4**）

Luo Z, Ma L, Zhao Z, et al. TRPV1 activation improves exercise endurance and energy metabolism through PGC-1 α upregulation in mice[J]. Cell research, 2012, 22(3): 551-564（**IF:9.4**）

Li Y, Tang Y, Shi S, et al. Tetrahedral framework nucleic acids ameliorate insulin resistance in type 2 diabetes mellitus via the PI3K/Akt pathway[J]. ACS Applied Materials & Interfaces, 2021, 13(34): 40354-40364（**IF:9.2**）

Chen M, Xiao Z Y, Huang Z P, et al. Glycine decarboxylase (GLDC) plays a crucial role in regulating energy metabolism, invasion, metastasis and immune escape for prostate cancer[J]. International Journal of Biological Sciences, 2023, 19(15): 4726（**IF:9.2**）

Li J, Tian Z, Zhang T, et al. Single-cell view and a novel protective macrophage subset in perivascular adipose tissue in T2DM[J]. Cellular & Molecular Biology Letters, 2024, 29(1): 1-31（**IF:9.2**）

Qiao Y, Zhang X, Zhang Y, et al. High glucose stimulates tumorigenesis in hepatocellular carcinoma cells through AGER-dependent O-GlcNAcylation of c-Jun[J]. Diabetes, 2016, 65(3): 619-632（**IF:8.8**）

Zhao D, Zheng S, Wang X, et al. iASPP is essential for HIF-1α stabilization to promote angiogenesis and glycolysis via attenuating VHL-mediated protein degradation[J]. Oncogene, 2022, 41(13): 1944-1958（**IF:8.7**）

Zhao Z, Deng X, Jia J, et al. Angiopoietin-like protein 8 (betatrophin) inhibits hepatic gluconeogenesis through PI3K/Akt signaling pathway in diabetic mice[J]. Metabolism, 2022, 126: 154921（**IF:8.7**）

Xu, Lina , et al. miR-125a-5p ameliorates hepatic glycolipid metabolism disorder in type 2 diabetes mellitus through targeting of STAT3.(2018):5593-5609 （**IF:8.5**）

Zhang X, Yang R, Jia Y, et al. Hypermethylation of Sp1 binding site suppresses hypothalamic POMC in neonates and may contribute to metabolic disorders in adults: impact of maternal dietary CLAs[J]. Diabetes, 2014, 63(5): 1475-1487（**IF:8.5**）

Zhao Y , Yao H , Liao Y ,et al.Selective PPARγ modulator alpinetin restores insulin sensitivity and protects from bone loss in type 2 diabetes[J].Phytomedicine, 145[2025-09-16] （**IF:8.3**）

Song W, Gao Y, Wu J, et al. LMP1 enhances aerobic glycolysis in natural killer/T cell lymphoma[J]. Cell Death &Disease, 2024, 15(8): 604 （**IF:8.1**）

Zhou F, Sheng C, Ma X, et al. BCKDH kinase promotes hepatic gluconeogenesis independent of BCKDHA[J]. Cell Death & Disease, 2024, 15(10): 736（**IF:8.1**）

Liu H, Guan H, Tan X, et al. Enhanced alleviation of insulin resistance via the IRS-1/Akt/FOXO1 pathway by combining quercetin and EGCG and involving miR-27a-3p and miR-96–5p[J]. Free radical biology and medicine, 2022, 181: 105-117（**IF:8.1**）

Liu J, Kang R, Yang X, et al. Sustainable cellobionic acid biosynthesis from starch via artificial in vitro synthetic enzymatic biosystem[J]. International Journal of Biological Macromolecules, 2024, 260: 129641

Liu X, Huang N, Wang H, et al. The effect of ligand composition on the in vivo fate of multidentate poly (ethylene glycol) modified gold nanoparticles[J]. Biomaterials, 2013, 34(33): 8370-8381

Ke W, Flay K J, Huang X, et al. Polysaccharides from Platycodon grandiflorus attenuates high-fat diet induced obesity in mice through targeting gut microbiota[J]. Biomedicine & Pharmacotherapy, 2023, 166: 115318

Yu S, Wang W, Bu T, et al. Digestion, absorption, and transport properties of soy-fermented douchi hypoglycemic peptides VY and SFLLR under simulated gastrointestinal digestion and Caco-2 cell monolayers[J]. Food Research International, 2023, 164: 112340

Sun G, You Y, Li H, et al. Discovery of AdipoRon analogues as novel AMPK activators without inhibiting mitochondrial complex I[J]. European journal of medicinal chemistry, 2020, 200: 112466

Wang L L, Qiao J, Liu H H, et al. Ratiometric fluorescent probe based on gold nanoclusters and alizarin red-boronic acid for monitoring glucose in brain microdialysate[J]. Analytical chemistry, 2014, 86(19): 9758-9764

Liu L, Ning N, Xu S, et al. Double promoter and tandem gene strategy for efficiently expressing recombinant FGF21[J]. Microbial Cell Factories, 2024, 23(1): 171

Yang T, Guo J, Song H, et al. Hexokinase 1 and 2 mediates glucose utilization to regulate the synthesis of kappa casein via ribosome protein subunit 6 kinase 1 in bovine mammary epithelial cells[J]. Animal Nutrition, 2024, 16: 338-349

He Y, Luo Y, Huang L, et al. Novel inhibitors targeting the PGK1 metabolic enzyme in glycolysis exhibit effective antitumor activity against kidney renal clear cell carcinoma in vitro and in vivo[J]. European Journal of Medicinal Chemistry, 2024, 267: 116209

Wu X, Mi T, Jin L,et al. Dual roles of HK3 in regulating the network between tumor cells and tumor-associated macrophages in neuroblastoma. Cancer Immunol Immunother. 2024 May 7;73(7):122

Liu Y, Chi W, Tao L, et al. Ablation of proton/glucose exporter SLC45A2 enhances melanosomal glycolysis to inhibit melanin biosynthesis and promote melanoma metastasis[J]. Journal of Investigative Dermatology, 2022, 142(10): 2744-2755. e9

Wang L, Xu T, He X, et al. Flexible, self-healable, adhesive and wearable hydrogel patch for colorimetric sweat detection[J]. Journal of Materials Chemistry C, 2021, 9(41): 14938-14945

Fan F, Ma Y, Ai R, et al. Glycolytic metabolism is critical for the innate antibacterial defense in acute streptococcus pneumoniae Otitis Media[J]. Frontiers in Immunology, 2021, 12: 624775

Zhu D, Wang Y, Du Q, et al. Cichoric acid reverses insulin resistance and suppresses inflammatory responses in the glucosamine-induced HepG2 cells[J]. Journal of Agricultural and Food Chemistry, 2015, 63(51): 10903-10913

Kou J, Lv C, Cheng L, et al. Tea polyphenol ameliorates memory impairment in aged type 2 diabetic rats by modulating hippocampal glucose uptake/metabolism and O-GlcNAc glycosylation/phosphorylation of Tau[J]. Journal of Functional Foods, 2024, 117: 106242

Shi R, Chen D, Ji M, et al. Network pharmacology-based screening of the active ingredients and mechanisms of

Cymbaria daurica against diabetes mellitus[J]. Food Science and Human Wellness, 2023, 12(6): 2001-2013

Yang Y, Liu X, Chen H, et al. HPS protects the liver against steatosis, cell death, inflammation, and fibrosis in mice with steatohepatitis[J]. The FEBS journal, 2022, 289(17): 5279-5304

Yang S, Cao S J, Li C Y, et al. Berberine directly targets AKR1B10 protein to modulate lipid and glucose metabolism disorders in NAFLD[J]. Journal of Ethnopharmacology, 2024: 118354

Yang C, Lan R, Zhao L, et al. Prevotella copri alleviates hyperglycemia and regulates gut microbiota and metabolic profiles in mice[J]. mSystems, 2024: e00532-24

Lu X, Fang X, Mi J, et al. Effects of Adipose Tissue-Specific Knockout of Delta-like Non-Canonical Notch Ligand 1 on Lipid Metabolism in Mice[J]. International Journal of Molecular Sciences, 2023, 25(1): 132

Yang S, Liu T, Hu C, et al. Ginsenoside compound K protects against obesity through pharmacological targeting of glucocorticoid receptor to activate lipophagy and lipid metabolism[J]. Pharmaceutics, 2022, 14(6): 1192

Li Z, Zhang R, Mu H, et al. Oral administration of branched-chain amino acids attenuates atherosclerosis by inhibiting the inflammatory response and regulating the gut microbiota in ApoE-deficient mice[J]. Nutrients, 2022, 14(23): 5065

Zhao Q, Yu C, Xu X, et al. Phosphorylated YBX2 is stabilized to promote glycolysis in brown adipocytes[J]. Iscience, 2023, 26(10)

Ying L, Zhang M, Ma X, et al. Macrophage LAMTOR1 deficiency prevents dietary obesity and insulin resistance through inflammation-induced energy expenditure[J]. Frontiers in Cell and Developmental Biology, 2021, 9: 672032.

Meng Q, Peng X, Zhao S, et al. Hypoxic storage of erythrocytes slows down storage lesions and prolongs shelf‐life[J]. Journal of Cellular Physiology, 2019, 234(12): 22833-22844

Zhang L W, Zhu L L, Zhu X Y, et al. Traditional Chinese Medicine formula Dai-Zong-Fang alleviating hepatic steatosis in db/db mice via gut microbiota modulation[J]. Frontiers in Pharmacology, 2024, 15: 1337057

Zhao Q, Wang Q, Li B, et al. The deubiquitinase OTUB1 inhibits gluconeogenesis by stabilizing YWHAB[J]. Cellular Signalling, 2024, 124: 111408

PZheng J, Liu X, Zheng B, et al. Maternal 25-hydroxyvitamin D deficiency promoted metabolic syndrome and down-regulated Nrf2/CBR1 pathway in offspring[J]. Frontiers in pharmacology, 2020, 11: 97

an Y, Zhao W, Zhao D, et al. Salvianolic acid B improves mitochondrial function in 3T3-L1 adipocytes through a pathway involving PPARγ coactivator-1α (PGC-1α)[J]. Frontiers in Pharmacology, 2018, 9: 671

Liu H, Lei W, Li Z, et al. NR3C2 inhibits the proliferation of colorectal cancer via regulating glucose metabolism and phosphorylating AMPK[J]. Journal of Cellular and Molecular Medicine, 2023, 27(8): 1069-1082

Ning X, Liang J, Men Y, et al. Siderophores provoke extracellular superoxide production by Arthrobacter strains during carbon sources‐level fluctuation[J]. Environmental Microbiology, 2022, 24(2): 894-904

Xiong F, Jiang X, Wu Y, et al. Fusion protein of FGF21 and elastin-like peptide improves wound healing in diabetic mice via inflammation modulation, collagen synthesis, and vascular network formation[J]. European Journal of Pharmacology, 2024, 982: 176953

脂代谢相关试剂盒

货号	产品名称
E1002	液体样本甘油含量酶法测定试剂盒
E1012	组织细胞甘油含量酶法测定试剂盒
E1024-105	肝脏、脂肪样本甘油酶法测定试剂盒
E1003	液体样本甘油三酯 (TG) 含量酶法测定试剂盒
E1013	组织细胞甘油三酯 (TG) 含量酶法测定试剂盒
E1025-105	肝脏、脂肪样本甘油三酯 (TG) 含量酶法测定试剂盒
E1014	油脂食品甘油三酯 (TG) 含量酶法测定试剂盒
E1005	液体样本总胆固醇 (TC) 含量酶法测定试剂盒
E1015	组织细胞总胆固醇 (TC) 含量酶法测定试剂盒
E1026-105	肝脏、脂肪样本总胆固醇 (TC) 含量酶法测定试剂盒
E1006	液体样本游离胆固醇 (FC) 含量酶法测定试剂盒
E1016	组织细胞游离胆固醇 (FC) 含量酶法测定试剂盒
E1027-105	肝脏、脂肪样本游离胆固醇 (FC) 含量酶法测定试剂盒
E1021	液体样本胆固醇酯 (CE) 含量测定试剂盒
E1022	组织细胞胆固醇酯 (CE) 含量测定试剂盒
E1001	游离脂肪酸FFA含量测定试剂盒
E1017	血液高密度脂蛋白胆固醇 (HDL-C) 含量酶法测定试剂盒
E1018	血液低密度脂蛋白/极低密度脂蛋白-胆固醇 (LDL/VLDL-C) 含量酶法测定试剂盒

优势产品

- WB 一站式解决方案
- 全系列 ECL 发光液
- 全能胶
- 快速三剑客
- 脂代谢
- 糖代谢
- 肝功能
- 肾功能
- 铁死亡
- 线粒体
- 细胞凋亡
- 氧化应激
- 细胞增殖
- 能量代谢指标检测
- 细胞培养
- 细胞转染
- 免疫组化
- 特殊染色