

**Akt/PKB activation and insulin signaling: a novel insulin
of type 2 diabetes**

Diabetes, Metabolic Syndrome and Obesity: Targets and Therapies
7, 55

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Palmitoleic acid reduces intramuscular lipid and restores insulin sensitivity in obese sheep. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2014, 7, 553.	1.1	44
2	Toward a systems-level view of dynamic phosphorylation networks. <i>Frontiers in Genetics</i> , 2014, 5, 263.	1.1	36
3	Tormentric Acid, a Major Component of Suspension Cells of <i>Eriobotrya japonica</i> , Suppresses High-Fat Diet-Induced Diabetes and Hyperlipidemia by Glucose Transporter 4 and AMP-Activated Protein Kinase Phosphorylation. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 10717-10726.	2.4	38
4	Chikusetsu saponin IVa regulates glucose uptake and fatty acid oxidation: implications in antihyperglycemic and hypolipidemic effects. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 997-1007.	1.2	19
5	Insulin receptor binding motif tagged with IgG4 Fc (Yiminsu) works as an insulin sensitizer to activate Akt signaling in hepatocytes. <i>Genetics and Molecular Research</i> , 2015, 14, 8819-8828.	0.3	5
6	(α)-Epicatechin-3-O- β -D-allopyranoside from <i>Davallia formosana</i> , Prevents Diabetes and Hyperlipidemia by Regulation of Glucose Transporter 4 and AMP-Activated Protein Kinase Phosphorylation in High-Fat-Fed Mice. <i>International Journal of Molecular Sciences</i> , 2015, 16, 24983-25001.	1.8	15
7	Impaired Translocation of GLUT4 Results in Insulin Resistance of Atrophic Soleus Muscle. <i>BioMed Research International</i> , 2015, 2015, 1-11.	0.9	34
8	mTOR signaling in cellular and organismal energetics. <i>Current Opinion in Cell Biology</i> , 2015, 33, 55-66.	2.6	240
9	Anti-diabetic efficacy of KICG1338, a novel glycogen synthase kinase-3 β inhibitor, and its molecular characterization in animal models of type 2 diabetes and insulin resistance. <i>Molecular and Cellular Endocrinology</i> , 2015, 409, 1-10.	1.6	33
10	Duodenal-jejunal Bypass Restores Insulin Action and β -Cell Function in Hypothalamic-Obese Rats. <i>Obesity Surgery</i> , 2015, 25, 656-665.	1.1	7
11	A Molecular and Whole Body Insight of the Mechanisms Surrounding Glucose Disposal and Insulin Resistance with Hypoxic Treatment in Skeletal Muscle. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-10.	1.0	22
12	Antcin K, a Triterpenoid Compound from <i>Antrodia camphorata</i> , Displays Antidiabetic and Antihyperlipidemic Effects via Glucose Transporter 4 and AMP-Activated Protein Kinase Phosphorylation in Muscles. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-16.	0.5	22
13	Dehydroeburicoic Acid from <i>Antrodia camphorata</i> Prevents the Diabetic and Dyslipidemic State via Modulation of Glucose Transporter 4, Peroxisome Proliferator-Activated Receptor α Expression and AMP-Activated Protein Kinase Phosphorylation in High-Fat-Fed Mice. <i>International Journal of Molecular Sciences</i> , 2016, 17, 872.	1.8	18
14	Fermented Red Ginseng Potentiates Improvement of Metabolic Dysfunction in Metabolic Syndrome Rat Models. <i>Nutrients</i> , 2016, 8, 369.	1.7	29
15	Xylazine Activates Adenosine Monophosphate-Activated Protein Kinase Pathway in the Central Nervous System of Rats. <i>PLoS ONE</i> , 2016, 11, e0153169.	1.1	8
16	Inositol hexakisphosphate kinase-1 interacts with perilipin1 to modulate lipolysis. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 78, 149-155.	1.2	26
17	A Limonoid Kihadanin B from Immature <i>Citrus unshiu</i> Peels Suppresses Adipogenesis through Repression of the Akt-FOXO1-PPAR α Axis in Adipocytes. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 9607-9615.	2.4	13
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30	Cellular delivery and photochemical release of a caged inositol-pyrophosphate induces PH-domain translocation in cellulose. <i>Nature Communications</i> , 2016, 7, 10622.	5.8	77
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33	Insulin decreases autophagy and leads to cartilage degradation. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 731-739.	0.6	70
34	5'-Monophosphate-activated protein kinase (AMPK) improves autophagic activity in diabetes and diabetic complications. <i>Acta Pharmaceutica Sinica B</i> , 2016, 6, 20-25.	5.7	72
35	<i>Caulerpa lentillifera</i> inhibits protein-tyrosine phosphatase 1B and protects pancreatic beta cell via its insulin mimetic effect. <i>Food Science and Biotechnology</i> , 2017, 26, 495-499.	1.2	4
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41	Influence of quercetin, naringenin and berberine on glucose transporters and insulin signalling molecules in brain of streptozotocin-induced diabetic rats. <i>Biomedicine and Pharmacotherapy</i> , 2017, 94, 605-611.	2.5	41
42	Establishment and phenotyping of disease model cells created by cell-resealing technique. <i>Scientific Reports</i> , 2017, 7, 15167.	1.6	12
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56	Effect of metformin on Sirtuin-1 disorders associated with diabetes in male rats. <i>Alexandria Journal of Medicine</i> , 2018, 54, 373-381.	0.4	3
57	Molecular targets and mechanisms of bioactive peptides against metabolic syndromes. <i>Food and Function</i> , 2018, 9, 42-52.	2.1	51
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71	Carnosic acid protects mice from high-fat diet-induced NAFLD by regulating MARCKS. <i>International Journal of Molecular Medicine</i> , 2018, 42, 193-207.	1.8	27
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88	Coumarins ameliorate diabetogenic action of dexamethasone via Akt activation and AMPK signaling in skeletal muscle. <i>Journal of Pharmacological Sciences</i> , 2019, 139, 151-157.	1.1	21
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98	The Key Role of IP6K: A Novel Target for Anticancer Treatments?. <i>Molecules</i> , 2020, 25, 4401.	1.7	11
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104	Lemon Extract Reduces Angiotensin Converting Enzyme (ACE) Expression and Activity and Increases Insulin Sensitivity and Lipolysis in Mouse Adipocytes. <i>Nutrients</i> , 2020, 12, 2348.	1.7	3
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106	C2C12 cell model: its role in understanding of insulin resistance at the molecular level and pharmaceutical development at the preclinical stage. <i>Journal of Pharmacy and Pharmacology</i> , 2020, 72, 1667-1693.	1.2	53
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110	Comparison Among Garlic, Berberine, Resveratrol, <i>Hibiscus sabdariffa</i> , Genus <i>Zizyphus</i> , Hesperidin, Red Beetroot, <i>Catha edulis</i> , <i>Portulaca oleracea</i> , and Mulberry Leaves in the Treatment of Hypertension and Type 2 DM: A Comprehensive Review. <i>Natural Product Communications</i> , 2020, 15, 1934578X2092162.	0.2	11
111	Glycomacropeptide Prevents Iron/Ascorbate-Induced Oxidative Stress, Inflammation and Insulin Sensitivity with an Impact on Lipoprotein Production in Intestinal Caco-2/15 Cells. <i>Nutrients</i> , 2020, 12, 1175.	1.7	13
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114	<i>Radix Polygoni Multiflori</i> and Its Main Component Emodin Attenuate Non-Alcoholic Fatty Liver Disease in Zebrafish by Regulation of AMPK Signaling Pathway. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 1493-1506.	2.0	36
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116	Delineating the folding perturbations and molecular mechanisms of Thr-Ala 642 mutation in Rab-GTPase activating protein Akt substrate of 160kDa and its impact on the aetiology of diabetes. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 409-420.	2.0	2
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120	Friedelin exhibits antidiabetic effect in diabetic rats via modulation of glucose metabolism in liver and muscle. <i>Journal of Ethnopharmacology</i> , 2021, 268, 113659.	2.0	23
121	Intestinal protection by proanthocyanidins involves anti-oxidative and anti-inflammatory actions in association with an improvement of insulin sensitivity, lipid and glucose homeostasis. <i>Scientific Reports</i> , 2021, 11, 3878.	1.6	15
122	Oleic Acid and Eicosapentaenoic Acid Reverse Palmitic Acid-induced Insulin Resistance in Human HepG2 Cells via the Reactive Oxygen Species/JUN Pathway. <i>Genomics, Proteomics and Bioinformatics</i> , 2021, 19, 754-771.	3.0	8
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124	Regulation of Glucose Metabolism by MuRF1 and Treatment of Myopathy in Diabetic Mice with Small Molecules Targeting MuRF1. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2225.	1.8	10
125	<i>Potentilla fulgens</i> upregulate GLUT4, AMPK, AKT and insulin in alloxan-induced diabetic mice: an <i>in vivo</i> and <i>in silico</i> study. <i>Archives of Physiology and Biochemistry</i> , 2021, , 1-13.	1.0	3
126	Peptide Analogues of VPP and IPP with Improved Glucose Uptake Activity in L6 Myotubes can be Released from Cereal Proteins. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 2875-2883.	2.4	8

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128	Phloridzin Acts as an Inhibitor of Protein-Tyrosine Phosphatase MEG2 Relevant to Insulin Resistance. <i>Molecules</i> , 2021, 26, 1612.	1.7	5
129	Bisphenols and the Development of Type 2 Diabetes: The Role of the Skeletal Muscle and Adipose Tissue. <i>Environments - MDPI</i> , 2021, 8, 35.	1.5	4
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132	The role of ceramide accumulation in human induced pluripotent stem cell-derived cardiomyocytes on mitochondrial oxidative stress and mitophagy. <i>Free Radical Biology and Medicine</i> , 2021, 167, 66-80.	1.3	40
133	Oleuropein Ameliorates Advanced Stage of Type 2 Diabetes in db/db Mice by Regulating Gut Microbiota. <i>Nutrients</i> , 2021, 13, 2131.	1.7	29
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