

# Targeted Metabolomics Connects Thioredoxin-interact Mitochondrial Fuel Selection and Regulation of Specific Skeletal Muscle

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Differential Cysteine Labeling and Global Label-Free Proteomics Reveals an Altered Metabolic State in Skeletal Muscle Aging. <i>Journal of Proteome Research</i> , 2014, 13, 5008-5021.	1.8	99
2	Carnitine Acetyltransferase Mitigates Metabolic Inertia and Muscle Fatigue during Exercise. <i>Cell Metabolism</i> , 2015, 22, 65-76.	7.2	78
3	A REDD1/TXNIP pro-oxidant complex regulates ATG4B activity to control stress-induced autophagy and sustain exercise capacity. <i>Nature Communications</i> , 2015, 6, 7014.	5.8	157
4	Txnip ablation reduces vascular smooth muscle cell inflammation and ameliorates atherosclerosis in apolipoprotein E knockout mice. <i>Atherosclerosis</i> , 2015, 241, 313-321.	0.4	45
5	Mechanism by Which Caloric Restriction Improves Insulin Sensitivity in Sedentary Obese Adults. <i>Diabetes</i> , 2016, 65, 74-84.	0.3	86
6	Two-Step Reactivation of Dormant Cones in Retinitis Pigmentosa. <i>Cell Reports</i> , 2016, 15, 372-385.	2.9	83
7	Effects of Sex, Strain, and Energy Intake on Hallmarks of Aging in Mice. <i>Cell Metabolism</i> , 2016, 23, 1093-1112.	7.2	360
8	The Failing Heart Relies on Ketone Bodies as a Fuel. <i>Circulation</i> , 2016, 133, 698-705.	1.6	506
9	Cutting Calories and TXNIP From the Skeletal Muscle to Restore Insulin Sensitivity. <i>Diabetes</i> , 2016, 65, 16-18.	0.3	9
10	Going retro: Oxidative stress biomarkers in modern redox biology. <i>Free Radical Biology and Medicine</i> , 2016, 98, 2-12.	1.3	65
11	Current Trends and Innovations in Bioanalytical Techniques of Metabolomics. <i>Critical Reviews in Analytical Chemistry</i> , 2016, 46, 342-351.	1.8	27
12	Mitochondrial Priming by CD28. <i>Cell</i> , 2017, 171, 385-397.e11.	13.5	212
13	Anisodamine inhibits endoplasmic reticulum stress-associated TXNIP/NLRP3 inflammasome activation in rhabdomyolysis-induced acute kidney injury. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2017, 22, 1524-1531.	2.2	24
14	Redox homeostasis and age-related deficits in neuromuscular integrity and function. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2017, 8, 881-906.	2.9	38
15	Chromatin Remodeling Factor BRG1 Regulates Stemness and Chemosensitivity of Glioma Initiating Cells. <i>Stem Cells</i> , 2018, 36, 1804-1815.	1.4	36
16	A functional transcriptomic analysis in the relict marsupial <i>Dromiciops gliroides</i> reveals adaptive regulation of protective functions during hibernation. <i>Molecular Ecology</i> , 2018, 27, 4489-4500.	2.0	24
17	Dynamic transcriptome profile in db/db skeletal muscle reveal critical roles for long noncoding RNA regulator. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 104, 14-24.	1.2	9
18	TXNIP regulates AKT-mediated cellular senescence by direct interaction under glucose-mediated metabolic stress. <i>Aging Cell</i> , 2018, 17, e12836.	3.0	36

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19	The BCKDH Kinase and Phosphatase Integrate BCAA and Lipid Metabolism via Regulation of ATP-Citrate Lyase. <i>Cell Metabolism</i> , 2018, 27, 1281-1293.e7.	7.2	222
20	Palmitate and insulin counteract glucose-induced thioredoxin interacting protein (TXNIP) expression in insulin secreting cells via distinct mechanisms. <i>PLoS ONE</i> , 2018, 13, e0198016.	1.1	14
21	Brown Adipose Tissue Controls Skeletal Muscle Function via the Secretion of Myostatin. <i>Cell Metabolism</i> , 2018, 28, 631-643.e3.	7.2	147
22	Ras Suppresses TXNIP Expression by Restricting Ribosome Translocation. <i>Molecular and Cellular Biology</i> , 2018, 38, .	1.1	12
23	Mitochondrial respiration and H <sub>2</sub> O <sub>2</sub> emission in saponin-permeabilized murine diaphragm fibers: optimization of fiber separation and comparison to limb muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C665-C673.	2.1	9
24	Genome-Wide Profiling of Laron Syndrome Patients Identifies Novel Cancer Protection Pathways. <i>Cells</i> , 2019, 8, 596.	1.8	28
25	The dynamic adaptation of primary human endothelial cells to simulated microgravity. <i>FASEB Journal</i> , 2019, 33, 5957-5966.	0.2	26
26	Restoration of Cone Photoreceptor Function in Retinitis Pigmentosa (RP): Retinal Cell-Based Therapy. <i>Pancreatic Islet Biology</i> , 2019, , 157-166.	0.1	0
27	Triptolide impairs thioredoxin system by suppressing Notch1-mediated PTEN/Akt/Txnip signaling in hepatocytes. <i>Toxicology Letters</i> , 2019, 300, 105-115.	0.4	15
28	TXNIP/TBP-2: A Master Regulator for Glucose Homeostasis. <i>Antioxidants</i> , 2020, 9, 765.	2.2	53
30	AAV-Txnip prolongs cone survival and vision in mouse models of retinitis pigmentosa. <i>ELife</i> , 2021, 10, .	2.8	30
31	A necessary role of DNMT3A in endurance exercise by suppressing ALDH1L1-mediated oxidative stress. <i>EMBO Journal</i> , 2021, 40, e106491.	3.5	21
32	Protective effect of dimethyl itaconate against fibroblast-to-myofibroblast differentiation during pulmonary fibrosis by inhibiting TXNIP. <i>Journal of Cellular Physiology</i> , 2021, 236, 7734-7744.	2.0	15
33	Novologue Therapy Requires Heat Shock Protein 70 and Thioredoxin-Interacting Protein to Improve Mitochondrial Bioenergetics and Decrease Mitophagy in Diabetic Sensory Neurons. <i>ACS Chemical Neuroscience</i> , 2021, 12, 3049-3059.	1.7	8
34	Utilization of Human Samples for Assessment of Mitochondrial Bioenergetics: Gold Standards, Limitations, and Future Perspectives. <i>Life</i> , 2021, 11, 949.	1.1	13
35	Molecular characterization of thioredoxin-interacting protein (TXNIP) from <i>Megalobrama amblycephala</i> and its potential roles in high glucose-induced inflammatory response. <i>International Journal of Biological Macromolecules</i> , 2021, 188, 460-472.	3.6	6
36	The Torpid State: Recent Advances in Metabolic Adaptations and Protective Mechanisms. <i>Frontiers in Physiology</i> , 2020, 11, 623665.	1.3	41
37	Maternal obesity reduces oxidative capacity in fetal skeletal muscle of Japanese macaques. <i>JCI Insight</i> , 2016, 1, e86612.	2.3	58

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38	Cellular acidosis triggers human MondoA transcriptional activity by driving mitochondrial ATP production. <i>ELife</i> , 2019, 8, .	2.8	41
39	The effect of mitochondria-targeted antioxidant MitoQ10 on redox signaling pathway components in PCOS mouse model. <i>Archives of Gynecology and Obstetrics</i> , 2022, 305, 985-994.	0.8	4
44	Cancer-cell-secreted miR-122 suppresses O-GlcNAcylation to promote skeletal muscle proteolysis. <i>Nature Cell Biology</i> , 2022, 24, 793-804.	4.6	29
45	Rheumatoid arthritis T cell and muscle oxidative metabolism associate with exercise-induced changes in cardiorespiratory fitness. <i>Scientific Reports</i> , 2022, 12, 7450.	1.6	9
46	Research in the Field of Exercise and Metabolomics: A Bibliometric and Visual Analysis. <i>Metabolites</i> , 2022, 12, 542.	1.3	2
47	ALFM2 is Required for High-Intensity Aerobic Exercise by Promoting Glucose Utilization. <i>Diabetes</i> , 0, , .	0.3	0
48	Physiological and Pathophysiological Roles of Thioredoxin Interacting Protein: A Perspective on Redox Inflammation and Metabolism. <i>Antioxidants and Redox Signaling</i> , 2023, 38, 442-460.	2.5	4
49	Modulating antioxidant systems as a therapeutic approach to retinal degeneration. <i>Redox Biology</i> , 2022, 57, 102510.	3.9	11
50	Astrocyte strategies in the energy-efficient brain. <i>Essays in Biochemistry</i> , 2023, 67, 3-16.	2.1	6
51	TXNIP shuttling - a key molecular link in regulating inflammation and mitochondrial dysfunction in freeze tolerant wood frogs. <i>Gene</i> , 2023, 857, 147184.	1.0	0
52	Pyruvate-supported flux through medium-chain ketothiolase promotes mitochondrial lipid tolerance in cardiac and skeletal muscles. <i>Cell Metabolism</i> , 2023, 35, 1038-1056.e8.	7.2	8
54	Txnip Gene Therapy of Retinitis Pigmentosa Improves Cone Health. <i>Advances in Experimental Medicine and Biology</i> , 2023, , 143-146.	0.8	0