Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 4, 2024

Phospho-IGF-I Receptor beta (Tyr1131)/Insulin Receptor beta (Tyr1146) Antibody

RRID:AB_331578
Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 3021 (also 3021S, 3021L), RRID:AB_331578)

Antibody Information

URL: http://antibodyregistry.org/AB_331578

Proper Citation: (Cell Signaling Technology Cat# 3021 (also 3021S, 3021L), RRID:AB_331578)

Target Antigen: Phospho-IGF-I Receptor beta (Tyr1131)/Insulin Receptor beta (Tyr1146)

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W, IP. Consolidation on 9/2016: AB_331579.
Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: Phospho-IGF-I Receptor beta (Tyr1131)/Insulin Receptor beta (Tyr1146) Antibody

Description: This polyclonal targets Phospho-IGF-I Receptor beta (Tyr1131)/Insulin Receptor beta (Tyr1146)

Target Organism: h, m, r, mouse, rat, human

Antibody ID: AB_331578

Vendor: Cell Signaling Technology

Catalog Number: 3021 (also 3021S, 3021L)

Alternative Catalog Numbers: 3021S, 3021L

Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development

No alerts have been found for Phospho-IGF-I Receptor beta (Tyr1131)/Insulin Receptor beta (Tyr1146) Antibody.

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 20 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Schaefer A, et al. (2023) RHOAL57V drives the development of diffuse gastric cancer through IGF1R-PAK1-YAP1 signaling. Science signaling, 16(816), eadg5289.

Gayen M, et al. (2022) The CX3CL1 intracellular domain exhibits neuroprotection via insulin receptor/insulin-like growth factor receptor signaling. The Journal of biological chemistry, 298(11), 102532.

Remsing Rix LL, et al. (2022) IGF-binding proteins secreted by cancer-associated fibroblasts induce context-dependent drug sensitization of lung cancer cells. Science signaling, 15(747), eabj5879.

Jiang Z, et al. (2021) Isthmin-1 is an adipokine that promotes glucose uptake and improves glucose tolerance and hepatic steatosis. Cell metabolism, 33(9), 1836.

Nagashimada M, et al. (2021) CX3CL1-CX3CR1 Signaling Deficiency Exacerbates Obesity-induced Inflammation and Insulin Resistance in Male Mice. Endocrinology, 162(6).

Brent AE, et al. (2020) Insulin and Leptin/Upd2 Exert Opposing Influences on Synapse Number in Fat-Sensing Neurons. Cell metabolism, 32(5), 786.

Tang R, et al. (2020) The Kinase Activity of Drosophila BubR1 Is Required for Insulin Signaling-Dependent Stem Cell Maintenance. Cell reports, 31(12), 107794.

Sultana R, et al. (2020) Disc1 Carrier Mice Exhibit Alterations in Neural pIGF-1R? and Related Kinase Expression. Frontiers in cellular neuroscience, 14, 94.

Chen S, et al. (2020) Runx2+ Niche Cells Maintain Incisor Mesenchymal Tissue Homeostasis through IGF Signaling. Cell reports, 32(6), 108007.

Sakai Y, et al. (2020) DPP-4 Inhibition with Anagliptin Reduces Lipotoxicity-Induced Insulin Resistance and Steatohepatitis in Male Mice. Endocrinology, 161(10).

Wei X, et al. (2020) Reducing NADPH Synthesis Counteracts Diabetic Nephropathy through Restoration of AMPK Activity in Type 1 Diabetic Rats. Cell reports, 32(13), 108207.

Nishida T, et al. (2020) Suppression of adipocyte differentiation by low-intensity pulsed ultrasound via inhibition of insulin signaling and promotion of CCN family protein 2. Journal of cellular biochemistry.

Gu M, et al. (2019) Betulinic acid alleviates endoplasmic reticulum stress-mediated nonalcoholic fatty liver disease through activation of farnesoid X receptors in mice. British journal of pharmacology, 176(7), 847.

Buffolo M, et al. (2019) Identification of a Paracrine Signaling Mechanism Linking CD34high Progenitors to the Regulation of Visceral Fat Expansion and Remodeling. Cell reports, 29(2), 270.

Bui T, et al. (2019) Functional Redundancy between ?1 and ?3 Integrin in Activating the IR/Akt/mTORC1 Signaling Axis to Promote ErbB2-Driven Breast Cancer. Cell reports, 29(3), 589.

Ye H, et al. (2018) Subversion of Systemic Glucose Metabolism as a Mechanism to Support the Growth of Leukemia Cells. Cancer cell, 34(4), 659.

Yoneyama Y, et al. (2018) IRS-1 acts as an endocytic regulator of IGF-I receptor to facilitate sustained IGF signaling. eLife, 7.

Mahoney RE, et al. (2016) Insulin signaling controls neurotransmission via the 4eBP-dependent modification of the exocytotic machinery. eLife, 5.

Liu J, et al. (2016) CLOCK and BMAL1 Regulate Muscle Insulin Sensitivity via SIRT1 in Male Mice. Endocrinology, 157(6), 2259.

Ni Y, et al. (2015) Prevention and reversal of lipotoxicity-induced hepatic insulin resistance and steatohepatitis in mice by an antioxidant carotenoid, ?-cryptoxanthin. Endocrinology, 156(3), 987.