Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 13, 2025

IGF-IRbeta (C-20)

RRID:AB_671792
Type: Antibody

Proper Citation

(Santa Cruz Biotechnology Cat# sc-713, RRID:AB_671792)

Antibody Information

URL: http://antibodyregistry.org/AB_671792

Proper Citation: (Santa Cruz Biotechnology Cat# sc-713, RRID:AB_671792)

Target Antigen: Epitope maps to carboxy terminus of IGF-!R of human origin. Specific for IGF-IRbeta, Non-reactive with IGF-Iralpha

Host Organism: rabbit

Clonality: unknown

Comments: Discontinued: 2016; Used By NYUIHC-267
Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:TRUE, NonFunctional in animal:FALSE

Antibody Name: IGF-IRbeta (C-20)

Description: This unknown targets Epitope maps to carboxy terminus of IGF-!R of human origin. Specific for IGF-IRbeta, Non-reactive with IGF-Iralpha

Target Organism: rat, mouse, human

Antibody ID: AB_671792

Vendor: Santa Cruz Biotechnology

Catalog Number: sc-713

Record Creation Time: 20231110T043526+0000

Record Last Update: 20241115T132019+0000

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:TRUE, NonFunctional in human:FALSE, Functional in animal:TRUE, 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

Warning: Discontinued: 2016
Discontinued: 2016; Used By NYUIHC-267
Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:TRUE, NonFunctional in human:FALSE, Functional in animal:TRUE, NonFunctional in animal:FALSE

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Lau HH, et al. (2023) FGFR-mediated ERK1/2 signaling contributes to mesendoderm and definitive endoderm formation in vitro. iScience, 26(8), 107265.

You JS, et al. (2021) Aging Does Not Exacerbate Muscle Loss During Denervation and Lends Unique Muscle-Specific Atrophy Resistance With Akt Activation. Frontiers in physiology, 12, 779547.

Di Nardo A, et al. (2020) Phenotypic Screen with TSC-Deficient Neurons Reveals Heat-Shock Machinery as a Druggable Pathway for mTORC1 and Reduced Cilia. Cell reports, 31(12), 107780.

Liou CJ, et al. (2019) Altered Brain Expression of Insulin and Insulin-Like Growth Factors in Frontotemporal Lobar Degeneration: Another Degenerative Disease Linked to Dysregulation of Insulin Metabolic Pathways. ASN neuro, 11, 1759091419839515.

Rachdaoui N, et al. (2019) Prolonged Exposure to Insulin Inactivates Akt and Erk1/2 and

Increases Pancreatic Islet and INS1E ?-Cell Apoptosis. Journal of the Endocrine Society, 3(1), 69.

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

Viana-Huete V, et al. (2018) Male Brown Fat-Specific Double Knockout of IGFIR/IR: Atrophy, Mitochondrial Fission Failure, Impaired Thermogenesis, and Obesity. Endocrinology, 159(1), 323.

Trueba-Saiz A, et al. (2017) Circulating Insulin-Like Growth Factor I Regulates Its Receptor in the Brain of Male Mice. Endocrinology, 158(2), 349.

Viana-Huete V, et al. (2016) Essential Role of IGFIR in the Onset of Male Brown Fat Thermogenic Function: Regulation of Glucose Homeostasis by Differential Organ-Specific Insulin Sensitivity. Endocrinology, 157(4), 1495.

Youssef A, et al. (2016) Low Oxygen Tension Modulates the Insulin-Like Growth Factor-1 or -2 Signaling via Both Insulin-Like Growth Factor-1 Receptor and Insulin Receptor to Maintain Stem Cell Identity in Placental Mesenchymal Stem Cells. Endocrinology, 157(3), 1163.

Abu Shehab M, et al. (2014) Liver mTOR controls IGF-I bioavailability by regulation of protein kinase CK2 and IGFBP-1 phosphorylation in fetal growth restriction. Endocrinology, 155(4), 1327.

Pando R, et al. (2014) A serum component mediates food restriction-induced growth attenuation. Endocrinology, 155(3), 932.

Malaguarnera R, et al. (2014) Metformin inhibits androgen-induced IGF-IR up-regulation in prostate cancer cells by disrupting membrane-initiated androgen signaling. Endocrinology, 155(4), 1207.