Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 11, 2025

BNIP3 Antibody (Rodent Specific)

RRID:AB_2259284
Type: Antibody

Proper Citation

(Cell Signaling Technology Cat# 3769, RRID:AB_2259284)

Antibody Information

URL: http://antibodyregistry.org/AB_2259284

Proper Citation: (Cell Signaling Technology Cat# 3769, RRID:AB_2259284)

Target Antigen: BNIP3

Host Organism: rabbit

Clonality: polyclonal

Comments: Applications: W

Antibody Name: BNIP3 Antibody (Rodent Specific)

Description: This polyclonal targets BNIP3

Target Organism: rat, human

Antibody ID: AB_2259284

Vendor: Cell Signaling Technology

Catalog Number: 3769

Record Creation Time: 20231110T045425+0000

Record Last Update: 20241115T045625+0000

Ratings and Alerts

No rating or validation information has been found for BNIP3 Antibody (Rodent Specific).

No alerts have been found for BNIP3 Antibody (Rodent Specific).

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Omholt SW, et al. (2024) Bnip3 expression is strongly associated with reelin-positive entorhinal cortex layer II neurons. Brain structure & function, 229(7), 1617.

Thangavel H, et al. (2024) Adipocyte-released adipomes in Chagas cardiomyopathy: Impact on cardiac metabolic and immune regulation. iScience, 27(5), 109672.

Hulett NA, et al. (2023) Sex Differences in the Skeletal Muscle Response to a High Fat, High Sucrose Diet in Rats. Nutrients, 15(20).

Liu Y, et al. (2022) Pharmacological inhibition of sphingolipid synthesis reduces ferroptosis by stimulating the HIF-1 pathway. iScience, 25(7), 104533.

Nichenko AS, et al. (2021) Lifelong Ulk1-Mediated Autophagy Deficiency in Muscle Induces Mitochondrial Dysfunction and Contractile Weakness. International journal of molecular sciences, 22(4).

Cheung EC, et al. (2020) Dynamic ROS Control by TIGAR Regulates the Initiation and Progression of Pancreatic Cancer. Cancer cell, 37(2), 168.

Leermakers PA, et al. (2020) Iron deficiency-induced loss of skeletal muscle mitochondrial proteins and respiratory capacity; the role of mitophagy and secretion of mitochondria-containing vesicles. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 34(5), 6703.

Chen JL, et al. (2020) A sphingosine kinase 2-mimicking TAT-peptide protects neurons against ischemia-reperfusion injury by activating BNIP3-mediated mitophagy. Neuropharmacology, 181, 108326.

Southern WM, et al. (2020) Mitochondrial dysfunction in skeletal muscle of fukutin-deficient mice is resistant to exercise- and 5-aminoimidazole-4-carboxamide ribonucleotide-induced rescue. Experimental physiology, 105(10), 1767.

Nichenko AS, et al. (2020) Mitochondrial-specific autophagy linked to mitochondrial

dysfunction following traumatic freeze injury in mice. American journal of physiology. Cell physiology, 318(2), C242.

Leermakers PA, et al. (2020) Pulmonary inflammation-induced alterations in key regulators of mitophagy and mitochondrial biogenesis in murine skeletal muscle. BMC pulmonary medicine, 20(1), 20.

D'Amico D, et al. (2019) The RNA-Binding Protein PUM2 Impairs Mitochondrial Dynamics and Mitophagy During Aging. Molecular cell, 73(4), 775.

Trefts E, et al. (2019) Energy metabolism couples hepatocyte integrin-linked kinase to liver glucoregulation and postabsorptive responses of mice in an age-dependent manner. American journal of physiology. Endocrinology and metabolism, 316(6), E1118.

Yao Q, et al. (2019) Suppressing Mitochondrial Respiration Is Critical for Hypoxia Tolerance in the Fetal Growth Plate. Developmental cell, 49(5), 748.