

Resource Summary Report

Generated by PRECISE-TBI on Aug 31, 2026

Anti-BNIP3 Antibody, Unconjugated

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

Clonality: unknown

Comments: Applications: W

Antibody Name: Anti-BNIP3 Antibody, Unconjugated

Description: This unknown targets BNIP3

Target Organism: rat, mouse

Antibody ID: AB_2259284

Vendor: Cell Signaling Technology

Catalog Number: 3769

Record Creation Time: 20250820T021350+0000

Record Last Update: 20250820T130250+0000

Ratings and Alerts

No rating or validation information has been found for Anti-BNIP3 Antibody, Unconjugated.

No alerts have been found for Anti-BNIP3 Antibody, Unconjugated.

Data and Source Information

Usage and Citation Metrics

We found 17 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Li E, et al. (2026) Oxytocin signaling in adipocytes is required for normal milk fat production. *Cell metabolism*, 38(6), 1141.

Han P, et al. (2025) Quercetin-derived microbial metabolite DOPAC potentiates CD8+ T cell anti-tumor immunity via NRF2-mediated mitophagy. *Cell metabolism*, 37(12), 2438.

Meroni M, et al. (2025) Exploring multiorgan mitochondrial dysfunction in the switch toward progressive MASLD in AMLN mice. *iScience*, 28(9), 113449.

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.

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.

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.

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.