

Resource Summary Report

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ATG5 Antibody - BSA Free

RRID:AB_828587

Type: Antibody

Proper Citation

Novus Cat# NB110-53818, RRID:AB_828587

Antibody Information

URL: http://antibodyregistry.org/AB_828587

Proper Citation: Novus Cat# NB110-53818, RRID:AB_828587

Target Antigen: ATG5

Host Organism: Rabbit

Clonality: polyclonal

Comments: Applications: Western Blot, Simple Western, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunoblotting, Radioimmunoassay, Proximity Ligation Assay, Electron Microscopy, Knockout Validated, Knockdown Validated

Antibody Name: ATG5 Antibody - BSA Free

Description: This polyclonal targets ATG5

Target Organism: Human, Xenopus, Porcine, Rat, Bovine, Drosophila, Zebrafish, Alligator, Guinea Pig, Mouse, Fish, Primate

Antibody ID: AB_828587

Vendor: Novus

Catalog Number: NB110-53818

Alternative Catalog Numbers: NB110-53818SS

Record Creation Time: 20231110T075839+0000

Record Last Update: 20260901T030647+0000

Ratings and Alerts

No rating or validation information has been found for ATG5 Antibody - BSA Free.

No alerts have been found for ATG5 Antibody - BSA Free.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Xu Y, et al. (2025) The cGAS-STING pathway activates transcription factor TFEB to stimulate lysosome biogenesis and pathogen clearance. *Immunity*, 58(2), 309.

Remy D, et al. (2024) TFEB triggers a matrix degradation and invasion program in triple-negative breast cancer cells upon mTORC1 repression. *Developmental cell*.

Jiang Z, et al. (2024) A cocktail of rapamycin, acarbose, and phenylbutyrate prevents age-related cognitive decline in mice by targeting multiple aging pathways. *GeroScience*, 46(5), 4855.

Liao YH, et al. (2023) ARMS-NF- κ B signaling regulates intracellular ROS to induce autophagy-associated cell death upon oxidative stress. *iScience*, 26(2), 106005.

Keary KM, et al. (2023) Dendritic distribution of autophagosomes underlies pathway-selective induction of LTD. *Cell reports*, 42(8), 112898.

Sakurai HT, et al. (2023) Development of small fluorescent probes for the analysis of autophagy kinetics. *iScience*, 26(7), 107218.

Chua JP, et al. (2022) Myotubularin-related phosphatase 5 is a critical determinant of autophagy in neurons. *Current biology : CB*, 32(12), 2581.

Sebag SC, et al. (2021) ADH5-mediated NO bioactivity maintains metabolic homeostasis in brown adipose tissue. *Cell reports*, 37(7), 110003.

Bressan C, et al. (2020) The dynamic interplay between ATP/ADP levels and autophagy sustain neuronal migration in vivo. *eLife*, 9.

Marsh T, et al. (2020) Autophagic Degradation of NBR1 Restricts Metastatic Outgrowth during Mammary Tumor Progression. *Developmental cell*, 52(5), 591.

Bankston AN, et al. (2019) Autophagy is essential for oligodendrocyte differentiation, survival, and proper myelination. *Glia*, 67(9), 1745.

Wible DJ, et al. (2019) ATG5 cancer mutations and alternative mRNA splicing reveal a conjugation switch that regulates ATG12-ATG5-ATG16L1 complex assembly and

autophagy. Cell discovery, 5, 42.

Wan W, et al. (2018) mTORC1-Regulated and HUWE1-Mediated WIPI2 Degradation Controls Autophagy Flux. Molecular cell, 72(2), 303.

Park SM, et al. (2018) Brain Somatic Mutations in MTOR Disrupt Neuronal Ciliogenesis, Leading to Focal Cortical Dyslamination. Neuron, 99(1), 83.

Kim YD, et al. (2017) Pimozide reduces toxic forms of tau in TauC3 mice via 5' adenosine monophosphate-activated protein kinase-mediated autophagy. Journal of neurochemistry, 142(5), 734.

Baron O, et al. (2017) Stall in Canonical Autophagy-Lysosome Pathways Prompts Nucleophagy-Based Nuclear Breakdown in Neurodegeneration. Current biology : CB, 27(23), 3626.

Okerlund ND, et al. (2017) Bassoon Controls Presynaptic Autophagy through Atg5. Neuron, 93(4), 897.

Martinez-Lopez N, et al. (2017) System-wide Benefits of Intermeal Fasting by Autophagy. Cell metabolism, 26(6), 856.

Cai Y, et al. (2016) Regulation of morphine-induced synaptic alterations: Role of oxidative stress, ER stress, and autophagy. The Journal of cell biology, 215(2), 245.