

Resource Summary Report

Generated by [RRID](#) on Sep 12, 2026

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: 20231110T043208+0000

Record Last Update: 20260829T165423+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.