

Resource Summary Report

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Atg12 (D88H11) Rabbit mAb

RRID:AB_1903898

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 4180, RRID:AB_1903898

Antibody Information

URL: http://antibodyregistry.org/AB_1903898

Proper Citation: Cell Signaling Technology Cat# 4180, RRID:AB_1903898

Target Antigen: Atg12 (D88H11) Rabbit mAb

Host Organism: rabbit

Clonality: monoclonal

Comments: Applications: W, IP. Consolidation on 10/2018: AB_10484263, AB_10860417, AB_1903898.

Antibody Name: Atg12 (D88H11) Rabbit mAb

Description: This monoclonal targets Atg12 (D88H11) Rabbit mAb

Target Organism: rat, h, m, mouse, r, human, mk

Antibody ID: AB_1903898

Vendor: Cell Signaling Technology

Catalog Number: 4180

Record Creation Time: 20231110T064107+0000

Record Last Update: 20260830T002859+0000

Ratings and Alerts

No rating or validation information has been found for Atg12 (D88H11) Rabbit mAb.

No alerts have been found for Atg12 (D88H11) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 20 mentions in open access literature.

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

Murakami S, et al. (2025) m6A alters ribosome dynamics to initiate mRNA degradation. *Cell*, 188(14), 3728.

Huang M, et al. (2025) Stra8 links neuronal activity to inhibitory circuit protection in the adult mouse brain. *Cell reports*, 44(11), 116513.

Sainz AG, et al. (2025) FAM43A coordinates mtDNA replication and mitochondrial biogenesis in response to mtDNA depletion. *The Journal of cell biology*, 224(3).

Zhang Q, et al. (2025) PLK1-mediated PDHA1 phosphorylation drives mitochondrial dysfunction, mitophagy, and cancer progression in Cr(VI)-associated lung cancer. *The Journal of biological chemistry*, 301(7), 110406.

Qin L, et al. (2024) Chronic hypoxia stabilizes 3?HSD1 via autophagy suppression. *Cell reports*, 43(1), 113575.

Teo QW, et al. (2023) Usp25-Erlin1/2 activity limits cholesterol flux to restrict virus infection. *Developmental cell*, 58(22), 2495.

Flintoaca Alexandru PR, et al. (2023) EDEM1 regulates the insulin mRNA level by inhibiting the endoplasmic reticulum stress-induced IRE1/JNK/c-Jun pathway. *iScience*, 26(10), 107956.

Ruiz-Velasco A, et al. (2023) Restored autophagy is protective against PAK3-induced cardiac dysfunction. *iScience*, 26(6), 106970.

Fan W, et al. (2022) Estrogen receptor ? activation inhibits colitis by promoting NLRP6-mediated autophagy. *Cell reports*, 41(2), 111454.

Han JH, et al. (2022) Garcinia cambogia attenuates adipogenesis by affecting CEBPB and SQSTM1/p62-mediated selective autophagic degradation of KLF3 through RPS6KA1 and STAT3 suppression. *Autophagy*, 18(3), 518.

Wang CH, et al. (2022) T Cells Mediate Kidney Tubular Injury via Impaired PDHA1 and Autophagy in Type 1 Diabetes. *The Journal of clinical endocrinology and metabolism*, 107(9), 2556.

Palma C, et al. (2021) Caloric Restriction Promotes Immunometabolic Reprogramming Leading to Protection from Tuberculosis. *Cell metabolism*, 33(2), 300.

Ordureau A, et al. (2021) Temporal proteomics during neurogenesis reveals large-scale proteome and organelle remodeling via selective autophagy. *Molecular cell*, 81(24), 5082.

Tian Y, et al. (2020) Nestin protects podocyte from injury in lupus nephritis by mitophagy and oxidative stress. *Cell death & disease*, 11(5), 319.

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

Sharoar MG, et al. (2019) Sequential formation of different layers of dystrophic neurites in Alzheimer's brains. *Molecular psychiatry*, 24(9), 1369.

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.

Tao XR, et al. (2019) Angiotensinogen in hepatocytes contributes to Western diet-induced liver steatosis. *Journal of lipid research*, 60(12), 1983.

Bavley CC, et al. (2018) Rescue of Learning and Memory Deficits in the Human Nonsyndromic Intellectual Disability Cereblon Knock-Out Mouse Model by Targeting the AMP-Activated Protein Kinase-mTORC1 Translational Pathway. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(11), 2780.

Guo H, et al. (2017) Atg5 Disassociates the V1V0-ATPase to Promote Exosome Production and Tumor Metastasis Independent of Canonical Macroautophagy. *Developmental cell*, 43(6), 716.