

Resource Summary Report

Generated by SPARC SAWG on Aug 15, 2026

Mouse Anti-Optineurin Monoclonal Antibody, Unconjugated, Clone C-2

RRID:AB_2156554

Type: Antibody

Proper Citation

Santa Cruz Biotechnology Cat# sc-166576, RRID:AB_2156554

Antibody Information

URL: http://antibodyregistry.org/AB_2156554

Proper Citation: Santa Cruz Biotechnology Cat# sc-166576, RRID:AB_2156554

Target Antigen: Optn

Host Organism: mouse

Clonality: monoclonal

Comments: validation status unknown check with seller; recommendations: western blot, ELISA, immunoprecipitation, immunocytochemistry

Antibody Name: Mouse Anti-Optineurin Monoclonal Antibody, Unconjugated, Clone C-2

Description: This monoclonal targets Optn

Target Organism: rat, mouse, human

Antibody ID: AB_2156554

Vendor: Santa Cruz Biotechnology

Catalog Number: sc-166576

Record Creation Time: 20250820T052008+0000

Record Last Update: 20250820T212032+0000

Ratings and Alerts

No rating or validation information has been found for Mouse Anti-Optineurin Monoclonal Antibody, Unconjugated, Clone C-2.

No alerts have been found for Mouse Anti-Optineurin Monoclonal Antibody, Unconjugated, Clone C-2.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 12 mentions in open access literature.

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

Kadam R, et al. (2026) Optineurin modulates mTORC2/AKT/STAT3 signaling to control MHC class II expression and adaptive immunity against HSV-1. *Cell reports*, 45(4), 117263.

Iannibelli E, et al. (2025) Evaluation of aggrephagy markers in myofibrillar myopathies. *Acta neuropathologica communications*, 13(1), 115.

Lee JS, et al. (2025) Pressure to evade cell-autonomous innate sensing reveals interplay between mitophagy, IFN signaling, and SARS-CoV-2 evolution. *Cell reports*, 44(1), 115115.

Saha B, et al. (2024) TBK1 is ubiquitinated by TRIM5? to assemble mitophagy machinery. *Cell reports*, 43(6), 114294.

He Y, et al. (2024) Targeting ATAD3A Phosphorylation Mediated by TBK1 Ameliorates Senescence-Associated Pathologies. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), e2404109.

Weil R, et al. (2024) Phosphorylation of Optineurin by protein kinase D regulates Parkin-dependent mitophagy. *iScience*, 27(12), 111384.

Saha B, et al. (2022) Interactomic analysis reveals a homeostatic role for the HIV restriction factor TRIM5? in mitophagy. *Cell reports*, 39(6), 110797.

Liu S, et al. (2021) Mammalian cells use the autophagy process to restrict avian influenza virus replication. *Cell reports*, 35(10), 109213.

Roca-Agujetas V, et al. (2021) Cholesterol alters mitophagy by impairing optineurin recruitment and lysosomal clearance in Alzheimer's disease. *Molecular neurodegeneration*, 16(1), 15.

Kakihana T, et al. (2021) The optineurin/TIA1 pathway inhibits aberrant stress granule formation and reduces ubiquitinated TDP-43. *iScience*, 24(7), 102733.

Zachari M, et al. (2019) Selective Autophagy of Mitochondria on a Ubiquitin-Endoplasmic-Reticulum Platform. *Developmental cell*, 50(5), 627.

Pourcelot M, et al. (2016) The Golgi apparatus acts as a platform for TBK1 activation after viral RNA sensing. *BMC biology*, 14, 69.