

Resource Summary Report

Generated by [NIF](#) on Aug 12, 2026

Tom20 (D8T4N) Rabbit mAb

RRID:AB_2687663

Type: Antibody

Proper Citation

Cell Signaling Technology Cat# 42406, RRID:AB_2687663

Antibody Information

URL: http://antibodyregistry.org/AB_2687663

Proper Citation: Cell Signaling Technology Cat# 42406, RRID:AB_2687663

Target Antigen: Tom20

Host Organism: rabbit

Clonality: recombinant monoclonal

Comments: Applications: W, IP, IHC-P, IF-IC

Antibody Name: Tom20 (D8T4N) Rabbit mAb

Description: This recombinant monoclonal targets Tom20

Target Organism: monkey, rat, mouse, human

Clone ID: D8T4N

Antibody ID: AB_2687663

Vendor: Cell Signaling Technology

Catalog Number: 42406

Alternative Catalog Numbers: 42406S

Record Creation Time: 20250820T070326+0000

Record Last Update: 20250821T013034+0000

Ratings and Alerts

- Used for western blot assay by the Human Islet Research Network community.
Contact(s): [Scott Soleimanpour](#) - Human Islets Research Network
<https://hirnnetwork.org/>

No alerts have been found for Tom20 (D8T4N) Rabbit mAb.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 89 mentions in open access literature.

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

Shah S, et al. (2026) Metabolic reprogramming during human neuron differentiation indicates glutaminase as a key determinant in Fragile X syndrome. *Cell reports*, 45(1), 116857.

Goodson BA, et al. (2026) SARS-CoV-2 ORF3a blocks lysosomal cholesterol egress by disrupting VPS39-regulated NPC2 trafficking and BMP metabolism. *Cell reports*, 45(6), 117544.

Li G, et al. (2026) Mitochondrial VHL rewires cell metabolism in hypoxia. *Cell metabolism*, 38(1), 174.

Chiolerio P, et al. (2026) Human neuromuscular organoids mimic cancer-induced muscle cachexia. *Cell reports methods*, 6(2), 101331.

Chitkara S, et al. (2026) ER-localized ceramide accumulation contributes to replicative senescence. *Cell chemical biology*, 33(5), 649.

Domínguez-Romero ME, et al. (2026) Spinal cord injury induces mitochondrial dysfunction and metabolic reprogramming in non-regenerative *Xenopus laevis*. *iScience*, 29(7), 116636.

Lin JY, et al. (2026) STUB1-VCP/p97 complex regulates mitophagy via fine-tuning of PINK1 levels. *Cell reports*, 45(4), 117183.

Huang ZB, et al. (2026) STING-OPTN signaling confers cytoprotection through TBK1-dependent mitophagy. *Cell reports*, 45(6), 117515.

Sharma S, et al. (2026) APEX-seq maps transcriptome-wide subcellular RNA localization in living cells. *Nature protocols*.

Chen B, et al. (2026) BRD4-mediated ER membrane contact creates functionally distinct mitochondrial subtypes. *Molecular cell*, 86(5), 917.

Shi FL, et al. (2026) Luteolin mitigates inflammatory organ injury by targeting XIAP to block PANoptosis and mitochondrial dysfunction. *International immunopharmacology*, 173,

116271.

Wang Y, et al. (2026) E3 Ubiquitin Ligase Nedd4-2 Exacerbates Seizure-Induced Mitochondrial Defects in an Alzheimer's Disease Mouse Model. *Journal of neurochemistry*, 170(4), e70440.

Hsieh CW, et al. (2026) Graded activation of the CLEAR network through mTORC1 suppression on cargo-harboring lysosomes. *Cell reports*, 45(4), 117228.

Kelly B, et al. (2026) Sulfur partitioning from cysteine controls T cell proliferation and effector function. *Cell*, 189(12), 3669.

Kim TY, et al. (2026) LRRK2 controls COX assembly through regulation of redox status of mitochondrial copper chaperones. *Redox biology*, 90, 104061.

Zhao C, et al. (2026) SIRT3 deficiency drives alveolar epithelial mitochondrial dysfunction in bronchopulmonary dysplasia via PDHA1 hyperacetylation. *iScience*, 29(7), 116552.

Tahmasebinia F, et al. (2025) The 40S ribosomal subunit recycling complex modulates mitochondrial dynamics and endoplasmic reticulum - mitochondria tethering at mitochondrial fission/fusion hotspots. *Nature communications*, 16(1), 1021.

Yang W, et al. (2025) Goblet cell-expressed microprotein FXYD3 determines gut homeostasis by maintaining mucus barrier integrity. *Cell reports*, 44(11), 116502.

Gong X, et al. (2025) Adaptation to Volumetric Compression Drives an Apoptosis-Resistant and Invasive Phenotype in Liver Cancer. *Cancer research*, 85(16), 3156.

Choe M, et al. (2025) Genetically encoded tool for manipulation of γ identifies its role as the driver of ISR induced by ATP synthase dysfunction. *Cell chemical biology*, 32(4), 620.