

# Resource Summary Report

Generated by [dkNET](#) on Jul 31, 2026

## Tom20 (D8T4N) Rabbit mAb

RRID:AB\_2687663

Type: Antibody

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### Proper Citation

Cell Signaling Technology Cat# 42406, RRID:AB\_2687663

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_2687663](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

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### 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.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 73 mentions in open access literature.

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

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

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.

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

Lin J, et al. (2025) ZBP1-sensed hypoxic stress triggers intrinsic necroptosis in hepatocytes, aggravating hepatic ischemia-reperfusion injury: an experimental study. International journal of surgery (London, England), 111(11), 7761.

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

Wakigawa T, et al. (2025) Monitoring the complexity and dynamics of mitochondrial translation. Molecular cell, 85(22), 4279.

Ham SJ, et al. (2025) Mitochondrial fumarate inhibits Parkin-mediated mitophagy. Molecular cell, 85(12), 2287.

Kawahara N, et al. (2025) Inhibition of glycolysis and stimulation of mitochondrial biogenesis lead to increased ROS levels and cell death in HNF-1 $\beta$  positive clear cell carcinoma. Cell death & disease, 16(1), 879.

Chemla A, et al. (2025) Parkinson's disease mutant Miro1 causes mitochondrial dysfunction and dopaminergic neuron loss. Brain : a journal of neurology.

Harper NW, et al. (2025) RNA Pol II inhibition activates cell death independently from the loss of transcription. *Cell*.

Krzystek TJ, et al. (2025) Opposing roles for GSK3 $\beta$  and ERK1-dependent phosphorylation of huntingtin during neuronal dysfunction and cell death in Huntington's disease. *Cell death & disease*, 16(1), 328.

Tao ZH, et al. (2025) Screening of patient-derived organoids identifies mitophagy as a cell-intrinsic vulnerability in colorectal cancer during statin treatment. *Cell reports. Medicine*, 6(4), 102039.

Wang Y, et al. (2025) Functional analysis of pathological mutations in DNA topoisomerase 3A. *Cell reports*, 44(6), 115764.

Zhu L, et al. (2025) Hepatic micropeptide modulates mitochondrial RNA processing machinery in hepatocellular carcinoma. *Molecular cell*, 85(12), 2303.

O'Reilly CL, et al. (2025) Combining In Vivo 2-Photon Imaging with Photoactivatable Fluorescent Labeling Shows Low Rates of Mitochondrial Dynamics in Skeletal Muscle. *Medicine and science in sports and exercise*, 57(10), 2324.

Guo W, et al. (2025) Mitochondrial CCN1 drives ferroptosis via fatty acid  $\beta$ -oxidation. *Developmental cell*, 60(17), 2294.

Wisessaowapak C, et al. (2025) Protocol for differentiating murine 3T3-L1 and SVF-derived preadipocytes and isolating crude mitochondrial fractions. *STAR protocols*, 6(3), 104045.

Hsu AY, et al. (2025) Neutrophil-derived vesicles control complement activation to facilitate inflammation resolution. *Cell*, 188(6), 1623.

Hamanaka G, et al. (2025) Protocol for mitochondria lipid encapsulation using a dual-tube system for mitochondria transfer therapy. *STAR protocols*, 6(4), 104174.