

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on May 20, 2025

Tim23

RRID:AB_398754

Type: Antibody

Proper Citation

(BD Biosciences Cat# 611222, RRID:AB_398754)

Antibody Information

URL: http://antibodyregistry.org/AB_398754

Proper Citation: (BD Biosciences Cat# 611222, RRID:AB_398754)

Target Antigen: Tim23

Host Organism: mouse

Clonality: monoclonal

Comments: Immunofluorescence, Western blot

Antibody Name: Tim23

Description: This monoclonal targets Tim23

Target Organism: rat, mouse, human

Antibody ID: AB_398754

Vendor: BD Biosciences

Catalog Number: 611222

Record Creation Time: 20241016T230928+0000

Record Last Update: 20241017T000858+0000

Ratings and Alerts

No rating or validation information has been found for Tim23.

No alerts have been found for Tim23.

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 [FDI Lab - SciCrunch.org](#).

Kumar A, et al. (2024) A dynamin superfamily-like pseudoenzyme coordinates with MICOS to promote cristae architecture. *Current biology : CB*, 34(12), 2606.

Zhu Y, et al. (2024) Cross-link assisted spatial proteomics to map sub-organelle proteomes and membrane protein topologies. *Nature communications*, 15(1), 3290.

Schofield JH, et al. (2024) Acod1 expression in cancer cells promotes immune evasion through the generation of inhibitory peptides. *Cell reports*, 43(4), 113984.

Elancheliyan P, et al. (2024) OCIAD1 and prohibitins regulate the stability of the TIM23 protein translocase. *Cell reports*, 43(12), 115038.

Southwell N, et al. (2023) A coordinated multiorgan metabolic response contributes to human mitochondrial myopathy. *EMBO molecular medicine*, e16951.

Ma L, et al. (2023) Two RNA-binding proteins mediate the sorting of miR223 from mitochondria into exosomes. *eLife*, 12.

Sekine Y, et al. (2023) A mitochondrial iron-responsive pathway regulated by DELE1. *Molecular cell*, 83(12), 2059.

Fukuda T, et al. (2023) The mitochondrial intermembrane space protein mitofissin drives mitochondrial fission required for mitophagy. *Molecular cell*, 83(12), 2045.

Sayles NM, et al. (2022) Mutant CHCHD10 causes an extensive metabolic rewiring that precedes OXPHOS dysfunction in a murine model of mitochondrial cardiomyopathy. *Cell reports*, 38(10), 110475.

Wang X, et al. (2022) Cytosolic adaptation to mitochondria-induced proteostatic stress causes progressive muscle wasting. *iScience*, 25(1), 103715.

Pollecker K, et al. (2021) Proteomic analysis demonstrates the role of the quality control protease LONP1 in mitochondrial protein aggregation. *The Journal of biological chemistry*,

297(4), 101134.

Jiao H, et al. (2021) Mitocytosis, a migrasome-mediated mitochondrial quality-control process. *Cell*, 184(11), 2896.

Phu L, et al. (2020) Dynamic Regulation of Mitochondrial Import by the Ubiquitin System. *Molecular cell*, 77(5), 1107.

Rossi A, et al. (2020) Defective Mitochondrial Pyruvate Flux Affects Cell Bioenergetics in Alzheimer's Disease-Related Models. *Cell reports*, 30(7), 2332.

Sarraf SA, et al. (2019) PINK1/Parkin Influences Cell Cycle by Sequestering TBK1 at Damaged Mitochondria, Inhibiting Mitosis. *Cell reports*, 29(1), 225.

Sekine S, et al. (2019) Reciprocal Roles of Tom7 and OMA1 during Mitochondrial Import and Activation of PINK1. *Molecular cell*, 73(5), 1028.

Pinto M, et al. (2018) Lack of Parkin Anticipates the Phenotype and Affects Mitochondrial Morphology and mtDNA Levels in a Mouse Model of Parkinson's Disease. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(4), 1042.

Wettmarshausen J, et al. (2018) MICU1 Confers Protection from MCU-Dependent Manganese Toxicity. *Cell reports*, 25(6), 1425.

Ding B, et al. (2017) The Matrix Protein of Human Parainfluenza Virus Type 3 Induces Mitophagy that Suppresses Interferon Responses. *Cell host & microbe*, 21(4), 538.