

Resource Summary Report

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Tim23

RRID:AB_398755

Type: Antibody

Proper Citation

(BD Biosciences Cat# 611223, RRID:AB_398755)

Antibody Information

URL: http://antibodyregistry.org/AB_398755

Proper Citation: (BD Biosciences Cat# 611223, RRID:AB_398755)

Target Antigen: Tim23

Host Organism: mouse

Clonality: monoclonal

Comments: Bioimaging, Western blot

Antibody Name: Tim23

Description: This monoclonal targets Tim23

Target Organism: rat, mouse, human

Antibody ID: AB_398755

Vendor: BD Biosciences

Catalog Number: 611223

Record Creation Time: 20241016T230146+0000

Record Last Update: 20241016T235350+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 18 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

de Talhouët C, et al. (2024) KAT8 compound inhibition inhibits the initial steps of PINK1-dependant mitophagy. Scientific reports, 14(1), 11721.

Akabane S, et al. (2023) TIM23 facilitates PINK1 activation by safeguarding against OMA1-mediated degradation in damaged mitochondria. Cell reports, 42(5), 112454.

Wen H, et al. (2023) Hypoxic postconditioning restores mitophagy against transient global cerebral ischemia via Parkin-induced posttranslational modification of TBK1. Neurobiology of disease, 179, 106043.

Yeung N, et al. (2023) Role of human HSPE1 for OPA1 processing independent of HSPD1. iScience, 26(2), 106067.

Wu Z, et al. (2022) LUBAC assembles a ubiquitin signaling platform at mitochondria for signal amplification and transport of NF- κ B to the nucleus. The EMBO journal, 41(24), e112006.

Soutar MPM, et al. (2022) Regulation of mitophagy by the NSL complex underlies genetic risk for Parkinson's disease at 16q11.2 and MAPT H1 loci. Brain : a journal of neurology, 145(12), 4349.

Acoba MG, et al. (2021) The mitochondrial carrier SFXN1 is critical for complex III integrity and cellular metabolism. Cell reports, 34(11), 108869.

Frazier AE, et al. (2021) Fatal perinatal mitochondrial cardiac failure caused by recurrent de novo duplications in the ATAD3 locus. Med (New York, N.Y.), 2(1), 49.

Singh RP, et al. (2020) Disrupting Mitochondrial Copper Distribution Inhibits Leukemic Stem Cell Self-Renewal. Cell stem cell, 26(6), 926.

Sica V, et al. (2019) Lethal Poisoning of Cancer Cells by Respiratory Chain Inhibition plus Dimethyl α -Ketoglutarate. Cell reports, 27(3), 820.

Chung KP, et al. (2019) Mitofusins regulate lipid metabolism to mediate the development of lung fibrosis. *Nature communications*, 10(1), 3390.

Princely Abudu Y, et al. (2019) NIPSNAP1 and NIPSNAP2 Act as "Eat Me" Signals for Mitophagy. *Developmental cell*, 49(4), 509.

Yamada T, et al. (2018) Mitochondrial Stasis Reveals p62-Mediated Ubiquitination in Parkin-Independent Mitophagy and Mitigates Nonalcoholic Fatty Liver Disease. *Cell metabolism*, 28(4), 588.

Arena G, et al. (2018) Mitochondrial MDM2 Regulates Respiratory Complex I Activity Independently of p53. *Molecular cell*, 69(4), 594.

Vukotic M, et al. (2017) Acylglycerol Kinase Mutated in Sengers Syndrome Is a Subunit of the TIM22 Protein Translocase in Mitochondria. *Molecular cell*, 67(3), 471.

Kang Y, et al. (2017) Sengers Syndrome-Associated Mitochondrial Acylglycerol Kinase Is a Subunit of the Human TIM22 Protein Import Complex. *Molecular cell*, 67(3), 457.

Zhang W, et al. (2016) Hypoxic mitophagy regulates mitochondrial quality and platelet activation and determines severity of I/R heart injury. *eLife*, 5.

Kang Y, et al. (2016) Tim29 is a novel subunit of the human TIM22 translocase and is involved in complex assembly and stability. *eLife*, 5.