

# Resource Summary Report

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## Monoclonal Anti-alpha-Tubulin antibody produced in mouse

RRID:AB\_477579

Type: Antibody

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### Proper Citation

(Sigma-Aldrich Cat# T5168, RRID:AB\_477579)

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_477579](http://antibodyregistry.org/AB_477579)

**Proper Citation:** (Sigma-Aldrich Cat# T5168, RRID:AB\_477579)

**Target Antigen:**  $\alpha$ -tubulin

**Host Organism:** mouse

**Clonality:** monoclonal

**Comments:** Applications: IF, RIA, WB

**Antibody Name:** Monoclonal Anti-alpha-Tubulin antibody produced in mouse

**Description:** This monoclonal targets  $\alpha$ -tubulin

**Target Organism:** chicken, rat, chlamydomonas, mouse, bovine, human

**Clone ID:** B-5-1-2

**Defining Citation:** [PMID:21452232](https://pubmed.ncbi.nlm.nih.gov/21452232/)

**Antibody ID:** AB\_477579

**Vendor:** Sigma-Aldrich

**Catalog Number:** T5168

**Record Creation Time:** 20231110T080858+0000

**Record Last Update:** 20241115T000855+0000

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## Ratings and Alerts

No rating or validation information has been found for Monoclonal Anti-alpha-Tubulin antibody produced in mouse.

No alerts have been found for Monoclonal Anti-alpha-Tubulin antibody produced in mouse.

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## Data and Source Information

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

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## Usage and Citation Metrics

We found 535 mentions in open access literature.

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

Champilas N, et al. (2024) Reproductive regulation of the mitochondrial stress response in *Caenorhabditis elegans*. *Cell reports*, 43(6), 114336.

Mou W, et al. (2024) Upregulation of neuronal ER-phagy improves organismal fitness and alleviates APP toxicity. *Cell reports*, 43(5), 114255.

Cheng Y, et al. (2024) A non-canonical role for a small nucleolar RNA in ribosome biogenesis and senescence. *Cell*, 187(17), 4770.

Naso FD, et al. (2024) AurkA/TPX2 co-overexpression in nontransformed cells promotes genome instability through induction of chromosome mis-segregation and attenuation of the p53 signalling pathway. *Biochimica et biophysica acta. Molecular basis of disease*, 1870(4), 167116.

Sidibé A, et al. (2024) Acetyl-NPKY of integrin- $\beta$ 1 binds KINDLIN2 to control endothelial cell proliferation and junctional integrity. *iScience*, 27(6), 110129.

Tse-Kang SY, et al. (2024) Intestinal immunity in *C. elegans* is activated by pathogen effector-triggered aggregation of the guard protein TIR-1 on lysosome-related organelles. *Immunity*, 57(10), 2280.

Garcia P, et al. (2024) Rho1 and Rgf1 establish a new actin-dependent signal to determine growth poles in yeast independently of microtubules and the Tea1-Tea4 complex. *PLoS biology*, 22(11), e3002491.

Hamamoto K, et al. (2024) Unveiling the physiological impact of ESCRT-dependent autophagosome closure by targeting the VPS37A ubiquitin E2 variant-like domain. *Cell reports*, 43(12), 115016.

Hilander T, et al. (2024) Supernumerary proteins of the human mitochondrial ribosomal small subunit are integral for assembly and translation. *iScience*, 27(7), 110185.

Szentgyörgyi V, et al. (2024) Arf1-dependent LRBA recruitment to Rab4 endosomes is required for endolysosome homeostasis. *The Journal of cell biology*, 223(11).

Zhang J, et al. (2024) A receptor required for chitin perception facilitates arbuscular mycorrhizal associations and distinguishes root symbiosis from immunity. *Current biology : CB*, 34(8), 1705.

Sebastián D, et al. (2024) TP53INP2-dependent activation of muscle autophagy ameliorates sarcopenia and promotes healthy aging. *Autophagy*, 20(8), 1815.

Kim N, et al. (2024) Repulsive Sema3E-Plexin-D1 signaling coordinates both axonal extension and steering via activating an autoregulatory factor, Mtss1. *eLife*, 13.

Bastidas RJ, et al. (2024) The acetylase activity of Cdu1 regulates bacterial exit from infected cells by protecting Chlamydia effectors from degradation. *eLife*, 12.

Hou Y, et al. (2024) TDP-43 chronic deficiency leads to dysregulation of transposable elements and gene expression by affecting R-loop and 5hmC crosstalk. *Cell reports*, 43(1), 113662.

Bär J, et al. (2024) Non-canonical function of ADAM10 in presynaptic plasticity. *Cellular and molecular life sciences : CMLS*, 81(1), 342.

Geraud M, et al. (2024) TDP1 mutation causing SCAN1 neurodegenerative syndrome hampers the repair of transcriptional DNA double-strand breaks. *Cell reports*, 43(5), 114214.

Gahlot P, et al. (2024) Lysosomal damage sensing and lysophagy initiation by SPG20-ITCH. *Molecular cell*.

Chocarro-Calvo A, et al. (2024) Phenotype-specific melanoma uptake of fatty acid from human adipocytes activates AXL and CAV1-dependent  $\beta$ -catenin nuclear accumulation. *bioRxiv : the preprint server for biology*.

Lampson BL, et al. (2024) Positive selection CRISPR screens reveal a druggable pocket in an oligosaccharyltransferase required for inflammatory signaling to NF- $\kappa$ B. *Cell*, 187(9), 2209.