

Resource Summary Report

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Monoclonal Anti-Acetylated Tubulin antibody produced in mouse

RRID:AB_609894

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# T7451, RRID:AB_609894

Antibody Information

URL: http://antibodyregistry.org/AB_609894

Proper Citation: Sigma-Aldrich Cat# T7451, RRID:AB_609894

Target Antigen: Acetylated Tubulin antibody produced in mouse

Host Organism: mouse

Clonality: monoclonal

Comments: Vendor recommendations: IgG2b Radioimmunoassay; Electron Microscopy; Other; Immunohistochemistry; Western Blot; electron microscopy: suitable, immunoblotting: 0.03-0.06 mug/mL

Info: Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE

Antibody Name: Monoclonal Anti-Acetylated Tubulin antibody produced in mouse

Description: This monoclonal targets Acetylated Tubulin antibody produced in mouse

Target Organism: chicken, monkey, rat, drosophilaarthropod, hamster, xenopusamphibian, porcine, amoebaprotzoa, pig, yeastfungi, mouse, chickenbird, frog, mollusc, protista, plant, bovine, human, invertebrates, bacteriaarchaea

Defining Citation: [PMID:23436395](#), [PMID:23124714](#), [PMID:17206618](#), [PMID:22592645](#), [PMID:21165971](#)

Antibody ID: AB_609894

Vendor: Sigma-Aldrich

Catalog Number: T7451

Record Creation Time: 20231110T080516+0000

Record Last Update: 20260901T015339+0000

Ratings and Alerts

- Independent validation by the NYU Lagone was performed for: IHC. This antibody was found to have the following characteristics: Functional in human:FALSE, NonFunctional in human:FALSE, Functional in animal:FALSE, NonFunctional in animal:FALSE - NYU Langone's Center for Biospecimen Research and Development <https://med.nyu.edu/research/scientific-cores-shared-resources/center-biospecimen-research-development>

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

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 251 mentions in open access literature.

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

Dev S, et al. (2026) ATP7B-maintained copper stores in myeloid progenitors are required for functional maturation of neutrophils. Cell reports, 45(2), 116955.

Abélanet S, et al. (2026) EFA6A regulates retinal function through the control of photoreceptor cell activity and structure. iScience, 29(4), 115179.

Lacroix R, et al. (2026) Embryonic exposure to environmental levels of roundup affects neurodevelopment in zebrafish. Journal of the Endocrine Society, 10(5), bvag067.

Yan C, et al. (2026) Spatiotemporal control of cortical centrin patterning by regionalized Sfi1 family scaffolding proteins in Stentor coeruleus. Current biology : CB, 36(15), 3892.

Vijayakumaran A, et al. (2026) 3D nanoscale reconstruction of human airway multiciliogenesis reveals cellular architecture remodeling and cilia-mitochondria link via rootlets. Cell reports, 45(7), 117714.

Liew YT, et al. (2026) Loss and gain of motor protein function cause microtubule bundle damage in Drosophila axons. Current biology : CB, 36(3), 707.

Li Q, et al. (2026) A 3D in vitro model for studying human implantation and implantation failure. Cell, 189(1), 70.

- Lu T, et al. (2026) Dysplastic epithelial repair promotes the tissue residence of lymphocytes to inhibit alveolar regeneration post viral infection. *Cell stem cell*, 33(1), 108.
- Arata M, et al. (2026) Directional alignment of different cell types organizes planar cell polarity. *iScience*, 29(3), 114771.
- Zobaroğlu Özer P, et al. (2026) Modulating microtubule stability via α -tubulin acetylation partially restores Golgi fragmentation in spinal muscular atrophy. *Turkish journal of biology* = *Türk biyoloji dergisi*, 50(2), 158.
- Zhang F, et al. (2026) The central precocious puberty-associated gene MKRN3 is a tumor suppressor regulating CSDE1 ubiquitination in ovarian cancer. *Oncogenesis*, 15(1).
- Wilson C, et al. (2026) The Chromatin-Modifying Protein RCOR2/CoREST2 Safeguards Axon-Dendrite Growth and Microtubule Stability in Brain Neurons. *Journal of neurochemistry*, 170(5), e70465.
- Guo L, et al. (2026) Patient-derived kidney organoids recapitulate ADPKD and facilitate the identification of Rho pathway inhibitors as candidate therapeutics. *Cell reports. Medicine*, 7(4), 102720.
- Zhang Y, et al. (2026) Human receptive endometrial assembloid for deciphering the implantation window. *eLife*, 12.
- Scozzari S, et al. (2026) Effects of Lysine Deacetylation Inhibition Alone or in Combination With Arimoclomol on TDP-43 Proteinopathy. *Journal of neurochemistry*, 170(6), e70493.
- Stroulis G, et al. (2026) Generation of apical-out nasal organoids to facilitate human respiratory syncytial virus infection and drug screening. *iScience*, 29(7), 116638.
- Vijatovic D, et al. (2026) Multifold increase in spinal inhibitory cell types with emergence of limb movement. *Cell reports*, 45(4), 117227.
- Peng Y, et al. (2026) Multi-omics profiling identifies inosine as a key metabolite associated with embryonic arrest in hydrosalpinx-associated infertility. *EBioMedicine*, 128, 106306.
- Horne C, et al. (2026) The photoreceptive and neuroendocrine pineal organ of Atlantic salmon. *Frontiers in physiology*, 17, 1778109.
- Wei H, et al. (2026) PDCD5 promotes substrate release from the TRiC complex in cilia and flagella. *Molecular cell*.