Resource Summary Report

Generated by RRID on Aug 6, 2026

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, amoebaprotozoa, 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: 20250820T064607+0000

Record Last Update: 20250821T005306+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 224 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

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.

Wei H, et al. (2026) PDCD5 promotes substrate release from the TRiC complex in cilia and flagella. Molecular cell.

Columbro SF, et al. (2026) Beneficial effects of synthetic torpor in a fast-progressing mouse model of amyotrophic lateral sclerosis. Experimental neurology, 396, 115521.

Costa AC, et al. (2025) Axon-specific microtubule regulation drives asymmetric regeneration of sensory neuron axons. eLife, 13.

Rezi CK, et al. (2025) KIF13B controls ciliary protein content by promoting endocytic retrieval and suppressing release of large extracellular vesicles from cilia. Current biology : CB.

Hong J, et al. (2025) A protein complex in the extreme distal tip of vertebrate motile cilia controls their organization, length, and function. Nature communications, 17(1), 394.

Iyer SS, et al. (2025) Centriolar cap proteins CP110 and CPAP control slow elongation of microtubule plus ends. The Journal of cell biology, 224(3).

Unterauer EM, et al. (2025) Protocol for SUM-PAINT spatial proteomic imaging generating neuronal architecture maps in rat hippocampal neurons. STAR protocols, 6(1), 103637.

Miao Y, et al. (2025) Co-development of mesoderm and endoderm enables organotypic vascularization in lung and gut organoids. Cell, 188(16), 4295.

Kuo CS, et al. (2025) A Mutation in Vesicular Acetylcholine Transporter Increases Tubulin Acetylation Compromising Synaptic Vesicle Transport. Journal of neurochemistry, 169(12), e70322.

Yin Y, et al. (2025) Generation of self-organized neuromusculoskeletal tri-tissue organoids from human pluripotent stem cells. Cell stem cell, 32(1), 157.

Meguro F, et al. (2025) The development of orofacial complex in bats: Implications for orofacial clefting. Journal of anatomy, 246(3), 331.

Pao YS, et al. (2025) KIF2C promotes paclitaxel resistance by depolymerizing polyglutamylated microtubules. Developmental cell, 60(15), 2097.

Al Dala Ali M, et al. (2025) Nucleoporin NUP210L and BAF-paralogue BAF-L redundantly ensure nuclear integrity and manchette microtubule organisation in mouse spermatids. Human molecular genetics.

Hussain S, et al. (2025) Microtubule networks in zebrafish hair cells facilitate presynapse transport and fusion during development. eLife, 13.

Troman L, et al. (2025) Mechanistic basis of temperature adaptation in microtubule dynamics across frog species. Current biology : CB, 35(3), 612.

Yang Y, et al. (2025) A spatiotemporal and machine-learning platform facilitates the manufacturing of hPSC-derived esophageal mucosa. Developmental cell, 60(9), 1359.

Yang X, et al. (2025) Protocol for the in vivo tracing of alveolar type I cells from mice using two distinct dual recombinase-mediated genetic approaches. STAR protocols, 6(1), 103648.

Ritchie EM, et al. (2025) Translatome analysis reveals cellular network in DLK-dependent hippocampal glutamatergic neuron degeneration. eLife, 13.