

Resource Summary Report

Generated by [NIF](#) on Sep 15, 2026

Monoclonal Anti-beta-Tubulin antibody produced in mouse

RRID:AB_477580

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# T5293, RRID:AB_477580

Antibody Information

URL: http://antibodyregistry.org/AB_477580

Proper Citation: Sigma-Aldrich Cat# T5293, RRID:AB_477580

Target Antigen: beta-Tubulin antibody produced in mouse

Host Organism: mouse

Clonality: monoclonal

Comments: Vendor recommendations: IgG1 Immunofluorescence; Immunocytochemistry; Western Blot; immunoblotting: suitable, indirect immunofluorescence: 1:1,000 using cultured human fibroblasts, immunocytochemistry: suitable

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

Description: This monoclonal targets beta-Tubulin antibody produced in mouse

Target Organism: chicken, rat, chickenbird, bovine, human

Antibody ID: AB_477580

Vendor: Sigma-Aldrich

Catalog Number: T5293

Record Creation Time: 20231110T080835+0000

Record Last Update: 20260829T064224+0000

Ratings and Alerts

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

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

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 [NIF](#) .

Halff EF, et al. (2022) Phosphorylation of neuroligin-2 by PKA regulates its cell surface abundance and synaptic stabilization. *Science signaling*, 15(739), eabg2505.

Tamassia N, et al. (2021) Induction of OCT2 contributes to regulate the gene expression program in human neutrophils activated via TLR8. *Cell reports*, 35(7), 109143.

Li P, et al. (2020) AD7c-NTP Impairs Adult Striatal Neurogenesis by Affecting the Biological Function of MeCP2 in APP/PS1 Transgenic Mouse Model of Alzheimer's Disease. *Frontiers in aging neuroscience*, 12, 616614.

Han J, et al. (2020) Elevated CXorf67 Expression in PFA Ependymomas Suppresses DNA Repair and Sensitizes to PARP Inhibitors. *Cancer cell*, 38(6), 844.

Lucken-Ardjomande Häsler S, et al. (2020) GRAF2, WDR44, and MICAL1 mediate Rab8/10/11-dependent export of E-cadherin, MMP14, and CFTR Δ F508. *The Journal of cell biology*, 219(5).

Gulisano W, et al. (2019) Neuromodulatory Action of Picomolar Extracellular A β 42 Oligomers on Presynaptic and Postsynaptic Mechanisms Underlying Synaptic Function and Memory. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 39(30), 5986.

Reigada D, et al. (2019) MicroRNA-135a-5p reduces P2X7 -dependent rise in intracellular calcium and protects against excitotoxicity. *Journal of neurochemistry*, 151(1), 116.

Mercurio S, et al. (2019) Nervous system characterization during the development of a basal echinoderm, the feather star *Antedon mediterranea*. *The Journal of comparative neurology*, 527(6), 1127.

Davenport EC, et al. (2019) Autism and Schizophrenia-Associated CYFIP1 Regulates the Balance of Synaptic Excitation and Inhibition. *Cell reports*, 26(8), 2037.

Li YX, et al. (2019) SREBP Plays a Regulatory Role in LH/hCG Receptor mRNA Expression in Human Granulosa-Lutein Cells. *The Journal of clinical endocrinology and metabolism*, 104(10), 4783.

Oury J, et al. (2019) MACF1 links Rapsyn to microtubule- and actin-binding proteins to maintain neuromuscular synapses. *The Journal of cell biology*, 218(5), 1686.

Muñoz-Galdeano T, et al. (2018) Cell Specific Changes of Autophagy in a Mouse Model of Contusive Spinal Cord Injury. *Frontiers in cellular neuroscience*, 12, 164.

Corrionero A, et al. (2018) A C9orf72 ALS/FTD Ortholog Acts in Endolysosomal Degradation and Lysosomal Homeostasis. *Current biology : CB*, 28(10), 1522.

Menon B, et al. (2018) miR-122 Regulates LHR Expression in Rat Granulosa Cells by Targeting Insig1 mRNA. *Endocrinology*, 159(5), 2075.

Liu F, et al. (2017) Expression of Phospho-MeCP2s in the Developing Rat Brain and Function of Postnatal MeCP2 in Cerebellar Neural Cell Development. *Neuroscience bulletin*, 33(1), 1.

Reigada D, et al. (2017) Diadenosine tetraphosphate (Ap4A) inhibits ATP-induced excitotoxicity: a neuroprotective strategy for traumatic spinal cord injury treatment. *Purinergic signalling*, 13(1), 75.

Gulappa T, et al. (2017) LHCGR Expression During Follicle Stimulating Hormone-Induced Follicle Growth Is Negatively Regulated by Eukaryotic Initiation Factor 5A. *Endocrinology*, 158(8), 2672.

Reigada D, et al. (2015) Acute administration of ucf-101 ameliorates the locomotor impairments induced by a traumatic spinal cord injury. *Neuroscience*, 300, 404.

Allred MJ, et al. (2015) Expression profile analysis of vulnerable CA1 pyramidal neurons in young-Middle-Aged Ts65Dn mice. *The Journal of comparative neurology*, 523(1), 61.