Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 4, 2025

Phospho-Tau (Thr181) Monoclonal Antibody (AT270)

RRID:AB_223651
Type: Antibody

Proper Citation

(Thermo Fisher Scientific Cat# MN1050, RRID:AB_223651)

Antibody Information

URL: http://antibodyregistry.org/AB_223651

Proper Citation: (Thermo Fisher Scientific Cat# MN1050, RRID:AB_223651)

Target Antigen: Phospho-Tau (Thr181)

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: WB (1-5 µg/mL), IHC (P) (1-5 µg/mL), ELISA (2-10 µg/mL)

Antibody Name: Phospho-Tau (Thr181) Monoclonal Antibody (AT270)

Description: This monoclonal targets Phospho-Tau (Thr181)

Target Organism: human

Clone ID: Clone AT270

Defining Citation:

PMID:23082852, PMID:25041093, PMID:19491104, PMID:26123245, PMID:23250356, PMID:12472903, PMID:17590239, PMID:22272617, PMID:19416848, PMID:14690523, PMID:22761989, PMID:24176788, PMID:23300938, PMID:27030011, PMID:14660557, PMID:21433051, PMID:20664788, PMID:24643416, PMID:22870188, PMID:20847430, PMID:22531419, PMID:24412516, PMID:18199809, PMID:24268883, PMID:21320871, PMID:24116116, PMID:22351109, PMID:18431510, PMID:16738255, PMID:19943189, PMID:27070146, PMID:26857506, PMID:7519852, PMID:18771816, PMID:22986780, PMID:25842390, PMID:19276556, PMID:11447277, PMID:20379729, PMID:21325519, PMID:18700006, PMID:22797329, PMID:22303461, PMID:19693433, PMID:26501932, PMID:17456772, PMID:15494420, PMID:20802182, PMID:12414518, PMID:25125468, PMID:18652590, PMID:15014128, PMID:21741124, PMID:16365045, PMID:17906685, PMID:19850110, PMID:17173140, PMID:22102449, PMID:17442823, PMID:19355851, PMID:17517623, PMID:27113998, PMID:24788298, PMID:16943563, PMID:19623258, PMID:23029404, PMID:21070634, PMID:25457549, PMID:27906174, PMID:24629673, PMID:23312564, PMID:22886464, PMID:25881209, PMID:21437732, PMID:22998728, PMID:19805144, PMID:22281122, PMID:20643941, PMID:20472896, PMID:21123557, PMID:24389273, PMID:15569665, PMID:21339331, PMID:12484758, PMID:24768523, PMID:25680440, PMID:24644038, PMID:21419194, PMID:22096577, PMID:20555131, PMID:21914946, PMID:21196065, PMID:18930955, PMID:21267079, PMID:23922306, PMID:17472708, PMID:22688056, PMID:26219917, PMID:27000837, PMID:21264226, PMID:15522877, PMID:21029237, PMID:24681487, PMID:22182692, PMID:24278307, PMID:20042680, PMID:22815492, PMID:23332170, PMID:21421841

Antibody ID: AB_223651

Vendor: Thermo Fisher Scientific

Catalog Number: MN1050

Record Creation Time: 20231110T045600+0000

Record Last Update: 20241115T043831+0000

Ratings and Alerts

No rating or validation information has been found for Phospho-Tau (Thr181) Monoclonal Antibody (AT270).

No alerts have been found for Phospho-Tau (Thr181) Monoclonal Antibody (AT270).

Data and Source Information

Source: Antibody Registry

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Parra Bravo C, et al. (2024) Human iPSC 4R tauopathy model uncovers modifiers of tau propagation. Cell, 187(10), 2446.

Pan L, et al. (2023) IGFBPL1 is a master driver of microglia homeostasis and resolution of neuroinflammation in glaucoma and brain tauopathy. Cell reports, 42(8), 112889.

Vanova T, et al. (2023) Cerebral organoids derived from patients with Alzheimer's disease with PSEN1/2 mutations have defective tissue patterning and altered development. Cell reports, 42(11), 113310.

Kauwe G, et al. (2023) KIBRA repairs synaptic plasticity and promotes resilience to tauopathy-related memory loss. bioRxiv : the preprint server for biology.

Moloney CM, et al. (2022) Phosphorylated tau sites that are elevated in Alzheimer's disease fluid biomarkers are visualized in early neurofibrillary tangle maturity levels in the post mortem brain. Alzheimer's & dementia : the journal of the Alzheimer's Association.

Dong Q, et al. (2022) Familial natural short sleep mutations reduce Alzheimer pathology in mice. iScience, 25(4), 103964.

Cente M, et al. (2022) Plasma Leptin Reflects Progression of Neurofibrillary Pathology in Animal Model of Tauopathy. Cellular and molecular neurobiology, 42(1), 125.

Brody AH, et al. (2022) Alzheimer risk gene product Pyk2 suppresses tau phosphorylation and phenotypic effects of tauopathy. Molecular neurodegeneration, 17(1), 32.

Lagomarsino VN, et al. (2021) Stem cell-derived neurons reflect features of protein networks, neuropathology, and cognitive outcome of their aged human donors. Neuron, 109(21), 3402.

Jiang L, et al. (2021) Interaction of tau with HNRNPA2B1 and N6-methyladenosine RNA mediates the progression of tauopathy. Molecular cell, 81(20), 4209.

Cortés-Gómez MÁ, et al. (2021) Tau phosphorylation by glycogen synthase kinase 3? modulates enzyme acetylcholinesterase expression. Journal of neurochemistry, 157(6), 2091.

Li D, et al. (2020) High specificity of widely used phospho-tau antibodies validated using a quantitative whole-cell based assay. Journal of neurochemistry, 152(1), 122.

Watters O, et al. (2020) AMPK Preferentially Depresses Retrograde Transport of Axonal Mitochondria during Localized Nutrient Deprivation. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(25), 4798.

Bardai FH, et al. (2018) A Conserved Cytoskeletal Signaling Cascade Mediates

Neurotoxicity of FTDP-17 Tau Mutations In Vivo. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(1), 108.

Hamm M, et al. (2015) Physiologically relevant factors influence tau phosphorylation by leucine-rich repeat kinase 2. Journal of neuroscience research, 93(10), 1567.