

Resource Summary Report

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Tau5

RRID:AB_2721194

Type: Antibody

Proper Citation

Nicholas M. Kanaan at Michigan State University Cat# Tau5, RRID:AB_2721194

Antibody Information

URL: http://antibodyregistry.org/AB_2721194

Proper Citation: Nicholas M. Kanaan at Michigan State University Cat# Tau5, RRID:AB_2721194

Target Antigen: Tau protein

Host Organism: mouse

Clonality: monoclonal

Comments: Original Report: Functional implications for the microtubule-associated protein tau: localization in oligodendrocytes. LoPresti P, Szuchet S, Papasozomenos SC, Zinkowski RP, Binder LI. Proc Natl Acad Sci U S A. 1995 Oct 24;92(22):10369-73. PMID: 7479786; PMCID: PMC40798.
Epitope: The structural basis of monoclonal antibody Alz50's selectivity for Alzheimer's disease pathology. Carmel G, Mager EM, Binder LI, Kuret J. J Biol Chem. 1996 Dec 20;271(51):32789-95. PMID: 8955115
Updated Epitope: Porzig, R., Singer, D., and Hoffmann, R. (2007). Epitope mapping of mAbs AT8 and Tau5 directed against hyperphosphorylated regions of the human tau protein. Biochem. Biophys. Res. Commun. 358, 644–649. doi: 10.1016/j.bbrc.2007.04.187

Antibody Name: Tau5

Description: This monoclonal targets Tau protein

Target Organism: Human, Rat, Mouse

Defining Citation: [PMID:7479786](#)

Antibody ID: AB_2721194

Vendor: Nicholas M. Kanaan at Michigan State University

Catalog Number: Tau5

Record Creation Time: 20231110T033730+0000

Record Last Update: 20260831T235723+0000

Ratings and Alerts

No rating or validation information has been found for Tau5.

No alerts have been found for Tau5.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Rodwell-Bullock J, et al. (2026) BAG3 modulates clathrin-mediated endocytosis and tau uptake in astrocytes. American journal of physiology. Cell physiology, 330(5), C1286.

Alhadidy MM, et al. (2025) Polyamination with spermidine enhances pathogenic tau conformations while reducing filamentous aggregate formation in vitro. The Biochemical journal, 482(12), 877.

Alhadidy MM, et al. (2025) O-GlcNAc modification differentially regulates microtubule binding and pathological conformations of tau isoforms in vitro. The Journal of biological chemistry, 301(3), 108263.

Benskey MJ, et al. (2023) Behavioral and neuropathological characterization over the adult lifespan of the human tau knock-in mouse. Frontiers in aging neuroscience, 15, 1265151.

Combs B, et al. (2021) Frontotemporal Lobar Dementia Mutant Tau Impairs Axonal Transport through a Protein Phosphatase 1?-Dependent Mechanism. The Journal of neuroscience : the official journal of the Society for Neuroscience, 41(45), 9431.

Hintermayer MA, et al. (2020) Tau protein phosphorylation at Thr175 initiates fibril formation via accessibility of the N-terminal phosphatase-activating domain. Journal of neurochemistry, 155(3), 313.

Putra M, et al. (2020) Fyn-tau Ablation Modifies PTZ-Induced Seizures and Post-seizure Hallmarks of Early Epileptogenesis. Frontiers in cellular neuroscience, 14, 592374.

Liu G, et al. (2019) Loss of tau and Fyn reduces compensatory effects of MAP2 for tau and reveals a Fyn-independent effect of tau on calcium. Journal of neuroscience research,

97(11), 1393.

Sato C, et al. (2018) Tau Kinetics in Neurons and the Human Central Nervous System. Neuron, 97(6), 1284.