

Tau(Phospho-Ser262) Antibody

Catalog No: #11111

Package Size: #11111-1 50ul #11111-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

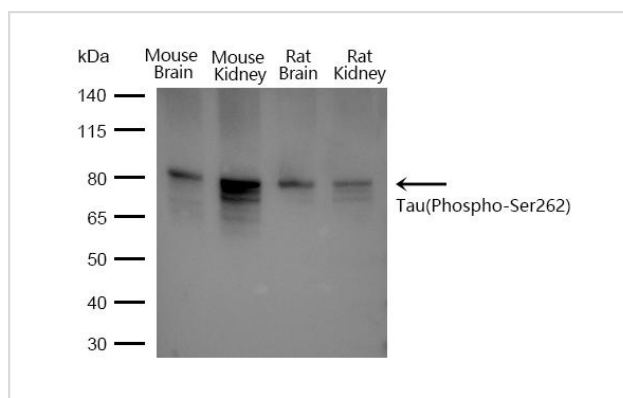
Description

Product Name	Tau(Phospho-Ser262) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of Tau only when phosphorylated at serine 262.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 262 (I-G-S(p)-T-E) derived from Human Tau.
Conjugates	Unconjugated
Target Name	Tau
Modification	Phospho
Other Names	MAPT; MTAPT; MTBT1; Neurofibrillary tangle protein; PHF-tau
Accession No.	Swiss-Prot: P10636NCBI Protein: NP_001116538.1
Calculated MW	50-85kD
Concentration	1.0mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

WB 1:500 - 1:2000.

Images



Western blot analysis of extracts from mouse brain, mouse kidney, rat brain, rat kidney tissue using Tau(Phospho-Ser262) Antibody #11111

Background

This gene encodes the microtubule-associated protein tau (MAPT) whose transcript undergoes complex, regulated alternative splicing, giving rise to several mRNA species. MAPT transcripts are differentially expressed in the nervous system, depending on stage of neuronal maturation and neuron type. MAPT gene mutations have been associated with several neurodegenerative disorders such as Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy. [provided by RefSeq, Jul 2008],

Published Papers

el at., Trillium tschonoskii maxim extract attenuates abnormal Tau phosphorylation. *Neural Regen Res.* In *Neural Regen Res.* On 2018 May by Luo HB, Shang N. et al..PMID: 29863023, , (2018)

[PMID:29863023](#)

el at., Tau-Induced Ca²⁺/Calmodulin-Dependent Protein Kinase-IV Activation Aggravates Nuclear Tau Hyperphosphorylation .In *Neurosci Bull.* On 2018 Apr by Wei YP, Ye JW et al..PMID: 28646348, , (2018)

[PMID: 28646348](#)

el at., Hyperphosphorylation and cleavage at D421 enhance tau secretion. In *PLoS One* on 2012 by Vanessa Plouffe, Nguyen-Vi Mohamed, et al..PMID: 22615831, , (2012)

[PMID:22615831](#)

el at., The pattern of human tau phosphorylation is the result of priming and feedback events in primary hippocampal neurons. In *Neuroscience* on 2010 Jun 30 by J Bertrand,

V Plouffe, et al..PMID: 20394726, , (2010)

[PMID:20394726](#)

el at., Zinc binds to and directly inhibits protein phosphatase 2A in vitro. In *Neurosci Bull.* On 2015 Jun by Xiong Y, Luo DJ et al..PMID:25854679, , (2015)

[PMID:25854679](#)

el at., Extrasynaptic NMDA Receptor-Induced Tau Overexpression Mediates Neuronal Death Through Suppressing Survival Signaling ERK Phosphorylation. In *Cell Death Dis* on 2016 Nov 3 by Xu-Ying Sun, Qing-Zhang Tuo et al..PMID: 27809304, , (2016)

[PMID:27809304](#)

el at., A novel mechanism of spine damages in stroke via DAPK1 and tau. In *Cereb Cortex* on 2015 Nov by Lei Pei, Shan Wang et al..PMID: 25995053, , (2015)

[PMID:25995053](#)

el at., Extra-virgin olive oil attenuates amyloid- ϵ Y and tau pathologies in the brains of TgSwDI mice. In *J Nutr Biochem* on 2015 Dec by Hisham Qosa, Loqman A Mohamed, et al..PMID:26344778, , (2015)

[PMID:26344778](#)

el at., FoxO1 overexpression reduces A β production and tau phosphorylation in vitro. In *Neurosci Lett* on 2020 Nov 1 by Wei Zhang, Shanshan Bai, et al..PMID:32860886, , (2020)

[PMID:32860886](#)

el at., A novel small-molecule PROTAC selectively promotes tau clearance to improve cognitive functions in Alzheimer-like models. In *Theranostics* on 2021 Mar 11 by Weijin Wang, Qiuzhi Zhou, et al..PMID:33859747, , (2021)

[PMID:33859747](#)

el at., 14-3-3 ζ Captures SET in the Cytoplasm, Mediating Tau Pathology and Cognitive Impairments., , (2021)

[PMID:](#)

el at., HIF-1 α Causes LCMT1/PP2A Deficiency and Mediates Tau Hyperphosphorylation and Cognitive Dysfunction during Chronic Hypoxia. In *Int J*

Mol Sci on 2022 Dec 17 by Ling Lei, Jun Feng,et al..PMID:36555780, , (2022)

[PMID:36555780](#)

el at., Gypenoside IX restores Akt/GSK-3 β pathway and alleviates Alzheimer's disease-like neuropathology and cognitive deficitsInAging (Albany NY)On2023 Dec 12byLing Lei?1?2,?Yong Luo et al..PMID:?38095632, , (2023)

[PMID:38095632](#)

el at., INVESTIGATING THE DNA DAMAGE RESPONSE IN, , (2023)

[PMID:](#)

el at., Physalin B reduces tau phosphorylation and cell apoptosis in HEK293 cells by activating FoxO1. In Curr Mol Pharmacol on 2024 by Wei Zhang, Yating Shi,et al..PMID:37489791, , (2024)

[PMID:37489791](#)

el at., Correcting abnormalities in miR-124/PTPN1 signaling rescues tau pathology in Alzheimer's. In J Neurochem on 2020 Aug by Tong-Yao Hou, Yang Zhou,et al..PMID:31951013, , (2024)

[PMID:31951013](#)

el at., Physalin B reduces tau phosphorylation and cell apoptosis in HEK293 cells by activating FoxO1. In Curr Mol Pharmacol on 2024 by Wei Zhang, Yating Shi,et al..PMID:37489791, , (2024)

[PMID:37489791](#)

el at., Selective degradation of hyperphosphorylated tau by proteolysis-targeting chimeras ameliorates cognitive function in Alzheimer β s disease model mice. In Front Pharmacol on 2024 Jun 11 by Dongping Yao, Ting Li,et al..PMID:38919259, , (2024)

[PMID:38919259](#)

el at., Correcting abnormalities in miR-124/PTPN1 signaling rescues tau pathology in Alzheimer's. In J Neurochem on 2020 Aug by Tong-Yao Hou, Yang Zhou,et al..PMID:31951013, , (2024)

[PMID:31951013](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.