

Tau(Phospho-Ser262) Antibody

Catalog No: #11111

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

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

Description

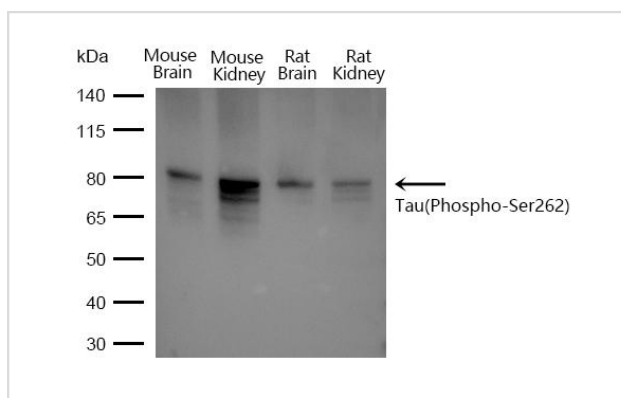
Product Name	Tau(Phospho-Ser262) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous 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.
Target Name	Tau
Modification	Phospho
Other Names	MAPT; MTAPT; MTBT1; Neurofibrillary tangle protein; PHF-tau
Accession No.	Swiss-Prot: P10636NCBI Protein: NP_001116538.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 48 62 78 kd

Western blotting: 1:500~1:1000

Images



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

Background

Promotes microtubule assembly and stability, and might be involved in the establishment and maintenance of neuronal polarity. The C-terminus binds axonal microtubules while the N-terminus binds neural plasma membrane components, suggesting that tau functions as a linker protein between both. Axonal polarity is predetermined by tau localization (in the neuronal cell) in the domain of the cell body defined by the centrosome. The short isoforms allow plasticity of the cytoskeleton whereas the longer isoforms may preferentially play a role in its stabilization.

Timm T, et al. (2003) EMBO J; 22(19): 5090-5101.

Published Papers

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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)

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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)

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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)

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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](#)

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