Tau(Phospho-Ser235) Antibody

Catalog No: #11106

Package Size: #11106-1 50ul #11106-2 100ul #11106-4 25ul

Overview

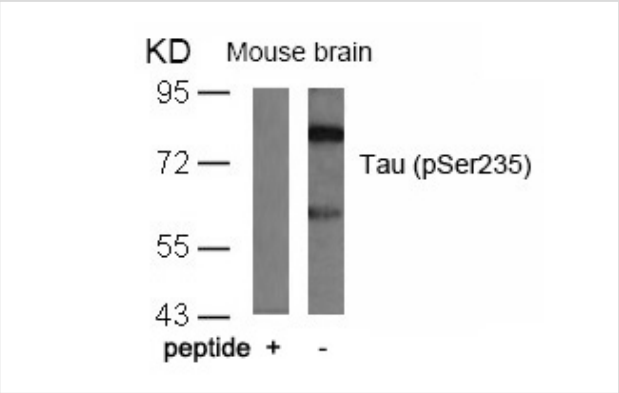
Product Name	Tau(Phospho-Ser235) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	Tau
Modification	Phospho-Ser235
Alternative Names	MAPT; MTAPT; MTBT1; Neurofibrillary tangle protein; PHF-tau

Application Details

Predicted MW: 48 62 78 kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from mouse brain tissue using Tau(Phospho-Ser235) Antibody #11106 and the same antibody preincubated with blocking peptide.

Descriptions

Immunogen	Peptide sequence around phosphorylation site of serine 235 (P-K-S(p)-P-S) derived from Human Tau.
Specificity	The antibody detects endogenous level of Tau only when phosphorylated at serine 235.
Purifiction	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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.
Accession NO.	Swiss-Prot: P10636NCBI Protein: NP _001116538.1

Related Information

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.

Alonso Adel C, et al. (2004) J Biol Chem. 279(33): 34873-34881.

Liu F, et al. (2002) FEBS Lett. 530(1-3): 209-214.

Sengupta A, et al. (1998) Arch Biochem Biophys. 357(2): 299-309.

Published Papers

Johanne Bertrand, Patrick Senechal, Mathieu Zummo-Soucy el at., The formation of tau pathological pathological phospho-epitopes in the axon is prevented by the dephosphorylation of selective sites in prinmary hippocampal neurons over-expressing human tau., JOURNAL OF NEUROCHEMISTRY., 114:1353B¨C1367(2010)

PMID:20550628

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