Tau(Ab-181) Antibody

Catalog No: #21096

SAB®
Signalway Antibody

Package Size: #21096-1 50ul   #21096-2 100ul

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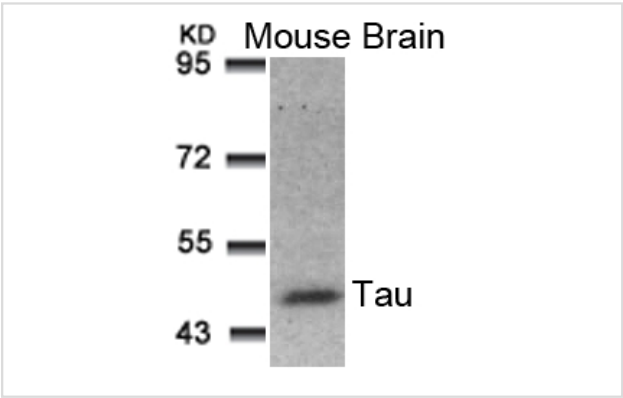
Support: tech@signalwayantibody.com

Description

Product Name	Tau(Ab-181) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of total Tau protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.179~183 (P-K-T-P-P) derived from Human Tau.
Target Name	Tau
Other Names	Neurofibrillary tangle protein; Paired helical filament-tau; MAPT; MTAPT; MTBT1
Accession No.	Swiss-Prot: P10636NCBI Protein: NP _001116538.1
Uniprot	P10636
GeneID	4137;
Concentration	1.0mg/ml
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.

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(Ab-181) Antibody #21096.

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.

Puig B, et al.(2005) Acta Neuropathol (Berl). 110(3):261-268.

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Note: This product is for in vitro research use only