Tau (Ab-396) Antibody

Catalog No: #33207

Package Size: #33207-1 50ul #33207-2 100ul

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

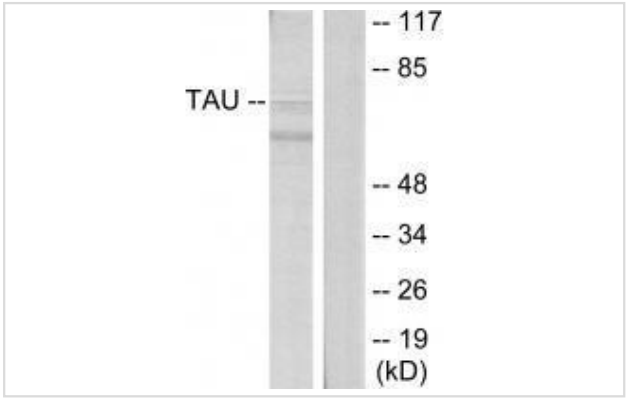
Description

Product Name	Tau (Ab-396) 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
Specificity	The antibody detects endogenous levels of Tau protein around Serine 396.
Immunogen Type	Peptide
Immunogen Description	Synthesized non-phosphopeptide derived from human Tau around the phosphorylation site of Serine 396.
Conjugates	Unconjugated
Target Name	Tau
Other Names	MAPT; Microtubule-associated protein tau; MTBT1; Neurofibrillary tangle protein; Paired helical filament-tau
Accession No.	Swiss-Prot: P10636NCBI Gene ID: 4137
SDS-PAGE MW	78kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG 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

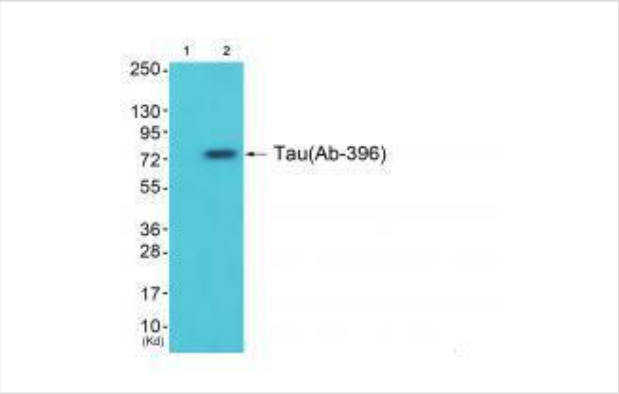
Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from HeLa cells, using Tau (Ab-396) antibody #33207.



Western blot analysis of extracts from 293 cells (Lane 2), using Tau (Ab-396) antiobdy #33207. The lane on the left is treated with synthesized peptide.

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/MAPT 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.

DeGiorgis JA, et al. (2005) J Proteome Res. 4(2): 306-315.

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

Published Papers

Meng-Ting Wang;Zi-Cheng Hu;Yang Xiang;Xiao-Qin Zeng;Zhang-Cheng Fei;Jia Chen;Xin-Peng Li;Yu-Peng Zhu;Jun Wang;Yan-Jiang Wang;Zhi-Qiang Xu;Yu-Hui Liu el at., Fingolimod ameliorates amyloid deposition and neurodegeneration in APP/PS1 mouse model of Alzheimer's disease., , (2025)

PMID:40158900

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