Tau (Phospho-Ser202) Antibody

Catalog No: #11723

Description

Package Size: #11723-1 50ul #11723-2 100ul



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

Product Name	Tau (Phospho-Ser202) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	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.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of Tau only when phosphorylated at serine 202.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 202(P-G-S(p)-P-G) derived from Human Tau.
Target Name	Tau
Modification	Phospho
Other Names	MAPT; MTBT1; PHF-tau;
Accession No.	Swiss-Prot#: P10636; NCBI Gene#: 4137; NCBI Protein#: NP_058519.3.

Application Details

Western blotting: 1:500~1:1000

Images

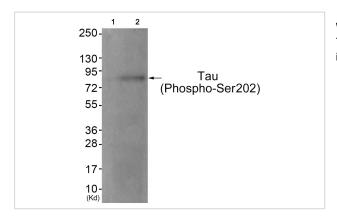
Uniprot GeneID

SDS-PAGE MW

Concentration

Formulation

Storage



P10636

4137;

50-80kd

1.0mg/ml

and 50% glycerol.

Store at -20°C/1 year

Western blot analysis of extracts from JK cells (Lane 2), using Tau (Phospho-Ser202) Antibody #11723. The lane on the left is treated with antigen-specific peptide.

Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide

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.

Goedert M., Proc. Natl. Acad. Sci. U.S.A. 85:4051-4055(1988).

Goedert M., EMBO J. 8:393-399(1989).

Lee G., Neuron 2:1615-1624(1989).

Note: This product is for in vitro research use only