

Tau Antibody

Catalog No: #21570

Package Size: #21570-1 50ul #21570-2 100ul

Description

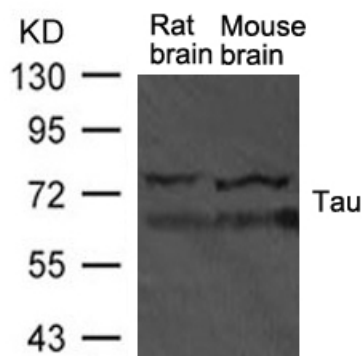
Product Name	Tau Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Tau protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa. 725-729(T-G-S-I-D) derived from Rat Tau
Conjugates	Unconjugated
Target Name	Tau
Other Names	MAPT; MTAPT; MTBT1; Neurofibrillary tangle protein; PHF-tau
Accession No.	Swiss-Prot: P19332NCBI Protein: NP_058908.2
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 78kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extract from rat brain and mouse brain tissue using TAU Antibody #21570

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.

Johnson , G.V. and Stoothoff , W.H. (2004) J. Cell Sci. 117, 5721-5729.

Hanger, D. P. et al. (1998) J. Neurochem. 71, 2465-2476.

Bramblett, G. T. et al. (1993) Neuron 10, 1089-1099.

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