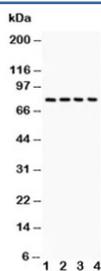


Tau Antibody / MAPT (R30554)

Catalog No.	Formulation	Size
R30554	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P10636
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Tau antibody is available for research use only.



Western blot testing of Tau antibody and 1. rat brain, 2. mouse brain, 3. HT1080, 4. MCF-7 lysate. Expected molecular weight: 50-80 kDa.

Description

MAPT, Microtubule-associated protein Tau, appears to be enriched in axons. The MAPT gene is assigned to chromosome 17 by hybridization of a cDNA clone to flow-sorted and spot-blotted chromosomes and to 17q21 by in situ hybridization, containing 16 exons. The Tau proteins are the product of alternative splicing from a single gene that in humans is designated MAPT. Tau proteins are proteins that stabilize microtubules. They are abundant in neurons in the central nervous system and are less common elsewhere. When the proteins are defective, and no longer stabilize microtubules properly, they can result in dementias such as Alzheimers disease.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Tau antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 29-44 (YTMHQDQEGDTDAGLK) were used as the immunogen for this Tau antibody.

Storage

After reconstitution, the Tau antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.