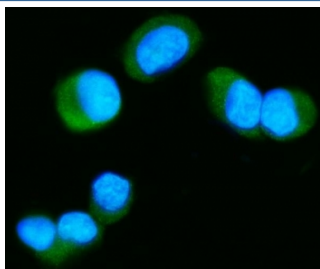


MAPT Antibody / Tau (RQ6776)

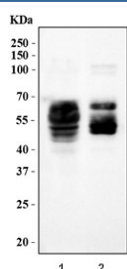
Catalog No.	Formulation	Size
RQ6776	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P10636
Localization	Cytoplasm, cell membrane
Applications	Western Blot : 1-2ug/ml Immunofluorescence : 5ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This MAPT antibody is available for research use only.



Immunofluorescent staining of FFPE human T-47D cells with MAPT antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) rat brain and 2) mouse brain tissue lysate with MAPT antibody. 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 tau proteins are defective, and no longer stabilize microtubules properly, they can result in dementias such as Alzheimer's disease.

Application Notes

Optimal dilution of the MAPT antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-L322) was used as the immunogen for the MAPT antibody.

Storage

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