

For Research Use Only

# TAU Polyclonal ANTIBODY



Catalog Number: 10274-1-AP

6 Publications

## Basic Information

Catalog Number:  
10274-1-AP

Size:  
35 µg/150 µl

Source:  
Rabbit

Isotype:  
IgG

Purification Method:  
Antigen affinity purification

Immunogen Catalog Number:  
AG0354

GenBank Accession Number:  
BC000558

GeneID (NCBI):  
4137

Full Name:  
microtubule-associated protein tau

Calculated MW:  
37-46, 79-81 kDa

Observed MW:  
66-70 kDa, 100 kDa

Recommended Dilutions:

WB 1:300-1:1500

IHC 1:20-1:200

IF 1:50-1:500

## Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

**Note: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : SH-SY5Y cells; HeLa cells, HT-1080 cells, rat brain tissue

IHC : human brain tissue; human gliomas tissue, human lung cancer tissue

IF : mouse brain tissue;

## Background Information

The microtubule-associated protein TAU (MAPT or TAU) is encoded by MAPT gene, which locates on human chromosome 17q21, binds to the tubulin subunit of microtubule and promotes its assembly and stability. Most TAU is expressed in neurons, and TAU isoform is expressed in the peripheral nervous system while the others are expressed in the central nervous system. TAU links axonal microtubules with C-terminus to neural plasma membrane components with its N-terminus, suggesting the participation in intracellular signal transduction and neuron's development and viability. Various isoforms of TAU exist due to the alternative splicing, and short isoforms around 45-69 kDa and long isoforms around 100-110 kDa have been reported in different literature (8752131, 15965697). Present polyclonal anti-MAPT antibody was produced by immunizing animals with N-terminal of MAPT and can detect approx 70-kDa and 100-kDa bands in brain tissues.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jian-Xin Jia	30430925	J Toxicol Environ Health A	WB, IHC
Feixiang Wang	28328017	Cell Biol Int	WB
Yu-Tao Li	31142114	Anal Chem	

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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