

## TAU Polyclonal Antibody

Catalog number: 10274-1-AP

Size: 35 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

MAPT; DDPAC, FLJ31424, FTDP

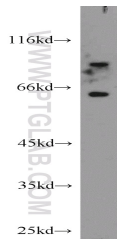
17, MAPT, MAPTL, MSTD,

MTBT1, MTBT2, Neurofibrillary

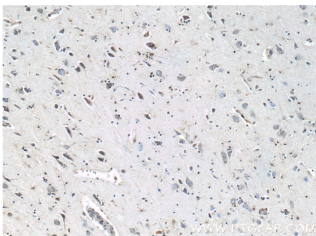
tangle protein, Paired helical

filament tau, PHF tau, PPND,

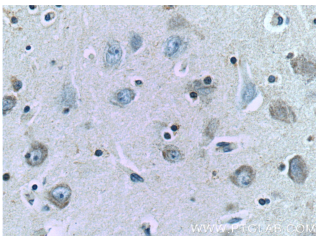
TAU



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 10274-1-AP (TAU antibody) at dilution of 1:1000



Immunohistochemistry of paraffin-embedded human brain tissue slide using 10274-1-AP (TAU Antibody) at dilution of 1:200 (under 10x lens)



Immunohistochemistry of paraffin-embedded human brain tissue slide using 10274-1-AP (TAU Antibody) at dilution of 1:200 (under 40x lens)

### Background

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. 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.

### Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated TAU MW:	79 kDa
Observed TAU MW:	68 kDa, 81 kDa, 100 kDa
Positive WB detected in	SH-SY5Y cells, HeLa cells, HT-1080 cells, mouse brain tissue, rat brain tissue
Positive IHC detected in	Human brain tissue, human gliomas tissue, human lung cancer tissue
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0354
GenBank accession number:	BC000558
Gene ID (NCBI):	4137
Full name:	Microtubule-associated protein tau

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.