

MAPT

Reactivity:Mouse Rat

Tested applications:WB IHC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:100 - 1:200

Calculated MW:83kDa

Observed MW:Refer to Figures

Immunogen:

A synthetic peptide of human MAPT

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bi

Synonym:

MAPT;DDPAC;FLJ31424;FTDP-17;MAPTL;MGC138549;MSTD;MTBT1; MTBT2;PPND;TAU ;

Catalog #:A1103

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:4137

Isotype:IgG

Swiss Prot:P10636

Purity:Affinity purification

For research use only.

Background:

Tau is a heterogeneous microtubule-associated protein that promotes and stabilizes microtubule assembly, especially in axons. Six isoforms with different amino-terminal inserts and different numbers of tandem repeats near the carboxy-terminus have been identified, and tau is hyperphosphorylated at approximately 25 sites by Erk, GSK-3, and CDK5 (1,2). Phosphorylation decreases the ability of tau to bind to microtubules. Neurofibrillary tangles are a major hallmark of Alzheimer's disease; these tangles are bundles of paired helical filaments composed of hyperphosphorylated tau. In particular, phosphorylation at Ser396 by GSK-3 or CDK5 destabilizes microtubules in Alzheimer's disease. Furthermore, inclusions of tau are found in a number of other neurodegenerative diseases, collectively known as tauopathies (1,3).

To place an order, please [Click HERE](#).