



Anti-Tau polyclonal antibody (DPAB2671RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit polyclonal to human tau.
Antigen Description	Tau proteins are microtubule-associated proteins that are abundant in neurons in the central nervous system. In adult human brain, there are six tau isoforms that differ by the presence of either three or four C-terminal tandem repeated 31 or 33 amino acid sequences containing domains that are important for microtubule binding. Tau plays a crucial role in the neuron as it binds and stabilizes microtubules, and can regulate axonal transport; functions that are regulated by site-specific phosphorylation events. Abnormally hyperphosphorylated Tau protein, resulting in loss of function (the disruption of axonal transport) and gain of toxic function (formation of tau aggregates) at the same time, is deposited in cells as fibrillar lesions in numerous neurodegenerative diseases such as Alzheimer's disease, progressive supranuclear palsy, Pick's disease, corticobasal degeneration and post-encephalitic parkinsonism.
Immunogen	Synthetic peptide
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB
Cellular Localization	Cytoplasm Cell membrane
Positive Control	SK-N-MC cells
Format	HEPES with 0.15M NaCl, 0.01% BSA, 0.03% sodium azide, and 50% glycerol
Size	100 µl

Preservative	0.03% Sodium Azide
Storage	Store for 1 year at -20 °C from date of shipment.

GENE INFORMATION

Gene Name	MAPT microtubule-associated protein tau [Homo sapiens]
Synonyms	MAPT; microtubule-associated protein tau; TAU; tau; MSTD; PPND; DDPAC; MAPTL; MTBT1; MTBT2; FTDP-17; microtubule-associated protein tau; PHF-tau; paired helical filament-tau; neurofibrillary tangle protein; Neurofibrillary tangle protein; microtubule-associated protein tau, isoform 4; G protein beta1/gamma2 subunit-interacting factor 1; Paired helical filament-tau; FLJ31424; FTDP-17; MGC138549; OTTHUMP00000239567; OTTHUMP00000239568; OTTHUMP00000239569; OTTHUMP00000239570; OTTHUMP00000239571
Entrez Gene ID	4137
Protein Refseq	NP_001116538
UniProt ID	P10636
Chromosome Location	17q21.1
Pathway	Alzheimer"s disease; Apoptosis; Apoptotic cleavage of cellular proteins; Apoptotic execution phase; Caspase-mediated cleavage of cytoskeletal proteins; IL-6 Signaling Pathway; LPA receptor mediated events; MAPK signaling pathway; Reelin signaling pathway
Function	SH3 domain binding; apolipoprotein E binding; enzyme binding; lipoprotein particle binding; microtubule binding; protein binding; structural constituent of cytoskeleton