For Research Use Only

Phospho-TAU (Thr181) Polyclonal antibody

Catalog Number:28866-1-AP

10 Publications

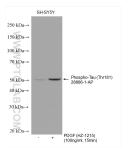


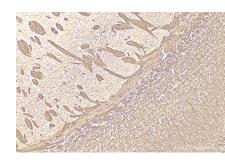
Basic Information	Catalog Number: 28866-1-AP	GenBank Accession Number: BC000558	Purification Method: Protein A purification				
	Size: 100ul , Concentration: 150 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG	GeneID (NCBI): 4137 UNIPROT ID: P10636	Recommended Dilutions: WB: 1:500-1:1000 IHC: 1:50-1:500				
				Full Name: microtubule-associated protein tau Calculated MW: 37-46, 79-81 kDa			
						Observed MW: 50-80 kDa	
						Applications	Tested Applications:
		WB, IHC, ELISA	WB: PDGF treated SH-SY5Y cells,				
		Cited Applications: WB, IF	IHC : mouse brain tissue,				
		Species Specificity: human, mouse					
		Cited Species: human, mouse					
Note-IHC: suggested antigen ı TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0	vely, antigen						
	Tau (tubulin-associated unit) is a microtubule-associated protein (also known as MAPT), expressed mainly in neurons of the central nervous system. Its primary function is to modulate microtubule dynamics for maintaining axonal cytoskeleton. The Tau protein has six isoforms produced from a single gene through alternative RNA splicing. Isoforms differ in number of inserts at the N-terminal half and the number of repeats at the C-terminal half (3 repeat-3R; 4 repeat-4R). Tau is hyperphosphorylated during aging and in age-related neurodegenerative diseases such as Alzheimer's disease (AD) and fronto-temporal dementia. Hyperphosphorylation of Tau leads to the formation of neurofibrillary tangles (NFT) in the neurons and glia cells, which is one of the hallmarks of AD.						
Background Information	neurons of the central nervous syster axonal cytoskeleton. The Tau proteir splicing. Isoforms differ in number of (3 repeat-3R; 4 repeat-4R). Tau is hyp such as Alzheimer's disease (AD) and	n. Its primary function is to modulate has six isoforms produced from a sin inserts at the N-terminal half and the erphosphorylated during aging and in fronto-temporal dementia. Hyperpho	microtubule dynamics for maintaining gle gene through alternative RNA number of repeats at the C-terminal ha age-related neurodegenerative disease sphorylation of Tau leads to the				
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Selected Validation Data





Non-treated SH-SY5Y and PDGF (HZ-1215) treatedImmutSH-SY5Y cells were subjected to SDS PAGEembecfollowed by western blot with 28866-1-APAP (Ph(Phospho-Tau (Thr181) antibody) at dilution of1:200 (1:800 incubated at room temperature for 1.5 hours.retriev

Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 28866-1-AP (Phospho-TAU (Thr181) antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 28866-1-AP (Phospho-TAU (Thr181) antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).