

For Research Use Only

Phospho-TAU (Ser202/Thr205) Recombinant antibody

Catalog Number: 82568-1-RR **1 Publications**



Basic Information

Catalog Number: 82568-1-RR	GenBank Accession Number: BC000558	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4137	CloneNo.: 4A6
Source: Rabbit	UNIPROT ID: P10636	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: microtubule-associated protein tau	
	Calculated MW: 37-46, 79-81 kDa	
	Observed MW: 45-55 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, λ phosphatase treated mouse brain tissue
Cited Applications: WB	
Species Specificity: Human, Mouse	
Cited Species: mouse	

Background Information

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Fanglin Qin	38569512	Exp Clin Endocrinol Diabetes	WB

Storage

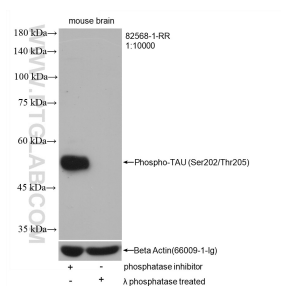
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Phosphatase inhibitor treated and λ phosphatase treated mouse brain tissue were subjected to SDS PAGE followed by western blot with 82568-1-RR (Phospho-TAU (Ser202/Thr205) antibody) at dilution of 1:10000 incubated at room temperature for 1 hours. The membrane was stripped and re-blotted with Beta Actin antibody as loading control.