

For Research Use Only

Phospho-TAU (Ser413) Recombinant monoclonal antibody

Catalog Number: 87025-7-RR



Basic Information

Catalog Number: 87025-7-RR	GenBank Accession Number: BC000558	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4137	CloneNo.: 252169D12
Source: Rabbit	UNIPROT ID: P10636	Recommended Dilutions: WB: 1:1000-1:4000 IF/ICC: 1:150-1:600
Isotype: IgG	Full Name: microtubule-associated protein tau	
	Calculated MW: 37-46, 79-81 kDa	
	Observed MW: 45-60 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : mouse brain tissue, IF/ICC : mouse brain tissue,

Background Information

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.

Storage

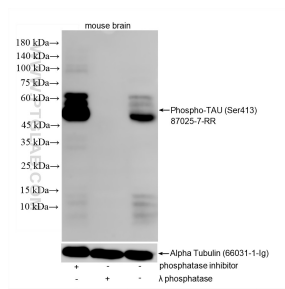
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

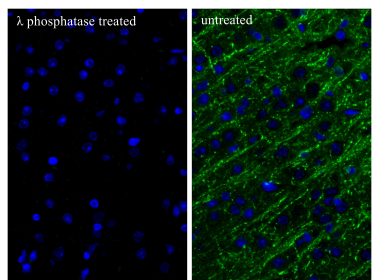
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Non-treated mouse brain tissue, phosphatase inhibitor treated mouse brain tissue and λ phosphatase treated mouse brain tissue were subjected to SDS PAGE followed by western blot with 87025-7-RR (Phospho-TAU (Ser413) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control.



Immunofluorescent analysis of (4% PFA) fixed λ phosphatase treated mouse brain tissue using Phospho-TAU (Ser413) antibody (87025-7-RR, Clone: 252169D12) at dilution of 1:300 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).