

For Research Use Only

Phospho-TAU (Thr212/Ser214) Recombinant monoclonal antibody

Catalog Number:87103-1-RR



Basic Information

Catalog Number: 87103-1-RR	GenBank Accession Number: BC000558	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4137	CloneNo.: 252171D2
Source: Rabbit	UNIPROT ID: P10636	Recommended Dilutions: WB: 1:1000-1:4000
Isotype: IgG	Full Name: microtubule-associated protein tau	
	Calculated MW: 37-46, 79-81 kDa	
	Observed MW: 45-60 kDa	

Applications

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

Background Information

The double phosphorylation of Tau at Thr212/Ser214 is a hallmark of Alzheimer's disease neurofibrillary tangles. This modification is critical for inducing a pathological conformation that promotes Tau aggregation into toxic filaments while impairing its normal microtubule-stabilizing function.

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

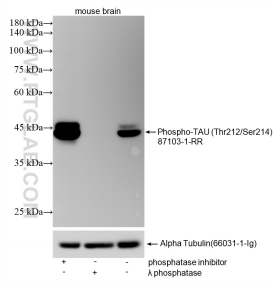
For technical support and original validation data for this product please contact:

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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 87103-1-RR (Phospho-TAU (Thr212/Ser214) 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.