

For Research Use Only

# Phospho-TAU (Ser396) Recombinant monoclonal antibody

Catalog Number:87029-11-RR



## Basic Information

<b>Catalog Number:</b> 87029-11-RR	<b>GenBank Accession Number:</b> NM_016835	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4137	<b>CloneNo.:</b> 252170E5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P10636	<b>Recommended Dilutions:</b> WB: 1:500-1:2000 IF-P: 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> microtubule-associated protein tau	
	<b>Calculated MW:</b> 79 kDa	
	<b>Observed MW:</b> 50-80 kDa	

## Applications

<b>Tested Applications:</b> WB, IF-P, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, IF-P : λ phosphatase treated mouse brain tissue,
<b>Species Specificity:</b> human, mouse	

## Background Information

Tau is a 441-amino acid hydrophilic protein sub-classified into 4 domains. The amino acids Thr181, Thr205 and Thr217 are associated with the early stages in the development of AD, while amino acid residues Ser262, Ser396 and Ser404 are associated with formation of aggregates.

## Storage

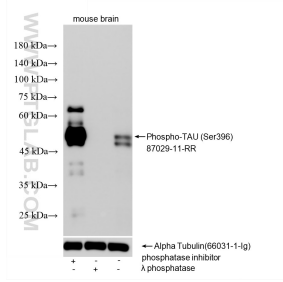
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

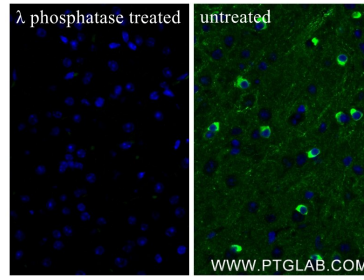
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Non-treated mouse brain tissue, phosphatase inhibitor treated mouse brain tissue and  $\lambda$  phosphatase treated mouse brain tissue were subjected to SDS PAGE followed by western blot with 87029-11-RR (Phospho-TAU (Ser396) antibody) at dilution of 1:1000 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  $\lambda$  phosphatase treated mouse brain tissue using Phospho-TAU (Ser396) antibody (87029-11-RR, Clone: 252170E5) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).