

For Research Use Only

# Phospho-TAU (Ser396/404) Recombinant monoclonal antibody

Catalog Number:87061-1-RR



## Basic Information

<b>Catalog Number:</b> 87061-1-RR	<b>GenBank Accession Number:</b> BC000558	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 4137	<b>CloneNo.:</b> 252396E1
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P10636	<b>Recommended Dilutions:</b> WB: 1:1000-1:4000
	<b>Full Name:</b> microtubule-associated protein tau	
	<b>Calculated MW:</b> 37-46, 79-81 kDa	
	<b>Observed MW:</b> 45-60 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue,
<b>Species Specificity:</b> human, mouse	

## Background Information

Tau isolated from individuals with AD is extensively phosphorylated and more than 40 sites have been reported so far. Hyperphosphorylated tau has an impaired ability to stabilize microtubules, and is capable of self-assembling into aggregates that can template normal tau into filaments, making hyperphosphorylation a clear disease-determining posttranslational modification in tauopathies.

## 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

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

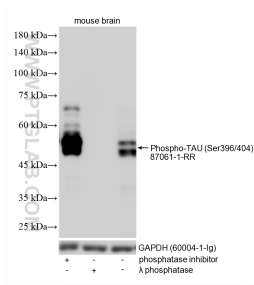
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## Selected Validation Data



Non-treated mouse brain tissue, phosphatase inhibitor treated mouse brain tissue and  $\lambda$  phosphatase treated mouse brain tissue were subjected to SDS PAGE followed by western blot with 87061-1-RR (Phospho-TAU(Ser396/404) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control.