

## Recombinant Phospho-Tau (Thr217) Monoclonal Antibody

catalog number: **AN300377L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

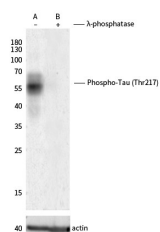
<b>Reactivity</b>	Human
<b>Immunogen</b>	A synthetic peptide corresponding to the residues around Thr217 of Human Phospho-Tau
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Clone</b>	B303
<b>Purification</b>	Protein A
<b>Buffer</b>	10 mM sodium HEPES, 150 mM NaCl, 100 µg/mL protein protectant, 50% glycerol, pH 7.5

### Applications

### Recommended Dilution

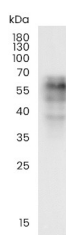
**WB** 1:1000-1:5000

### Data



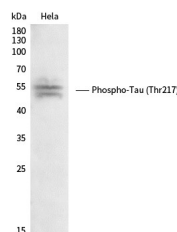
Western blot analysis of extracts from mouse brain, untreated (line A); treated with  $\lambda$ -phosphatase (line B) using Phospho-Tau (Thr217) rabbit monoclonal Antibody at 1:2000 dilution.. (Validation Experiment)

**Observed-MW:50-70 kDa**  
**Calculated-MW:46 kDa**



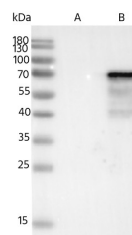
Western blot analysis of extracts from Rat brain using Phospho-Tau (Thr217) rabbit monoclonal Antibody at 1:10000 dilution..

**Observed-MW:50-70 kDa**  
**Calculated-MW:46 kDa**



Western blot analysis of extracts from Hela using Phospho-Tau (Thr217) rabbit monoclonal Antibody at 1:1000 dilution.. (Validation Experiment)

**Observed-MW:50-70 kDa**  
**Calculated-MW:46 kDa**



Western blot analysis of 200 ng Recombinant Human Tau Protein (Full Length) (line A) and 200 ng Recombinant Human Tau Protein (Full Length), GSK3beta-phosphorylated (line B) using Phospho-Tau (Thr217) Rabbit Monoclonal Antibody at 1:5000 dilution..

**Observed-MW:50-70 kDa**  
**Calculated-MW:46 kDa**

### Preparation & Storage

#### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.1

**Storage**

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

**Shipping**

Ice bag

**Background**

This gene encodes the microtubule-associated protein tau (MAPT) whose transcript undergoes complex, regulated alternative splicing, giving rise to several mRNA species. MAPT transcripts are differentially expressed in the nervous system, depending on stage of neuronal maturation and neuron type. MAPT gene mutations have been associated with several neurodegenerative disorders such as Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy.

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