

# Phospho-Tau-S404 Rabbit pAb

Catalog No.: AP0170

10 Publications

## Basic Information

### Observed MW

65kDa

### Calculated MW

79kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

## 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.

## Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:100
IF/ICC	1:100 - 1:200

## Immunogen Information

### Gene ID

4137

### Swiss Prot

P10636

### Immunogen

A synthetic phosphorylated peptide around S404 of human Tau (NP\_005901.2).

### Synonyms

TAU; MSTD; PPND; DDPAC; MAPTL; MTBT1; MTBT2; tau-40; FTDP-17; PPP1R103; Tau-PHF6; Phospho-Tau-S404

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

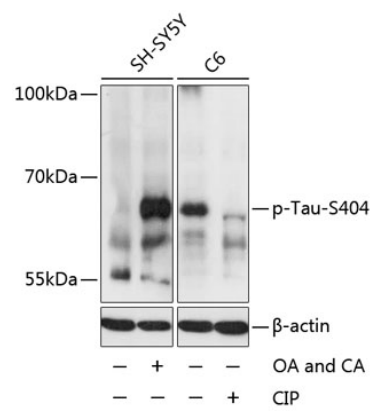
Affinity purification

### Storage

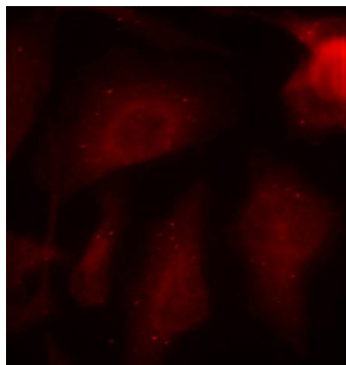
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

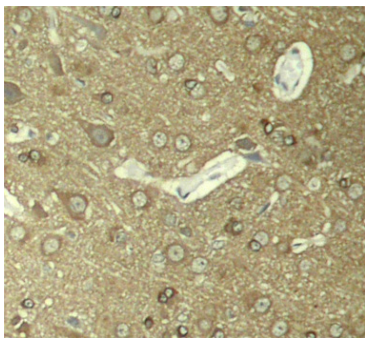
Validation Data



Western blot analysis of lysates from SH-SY5Y and C6 cells, using Phospho-Tau-S404 Rabbit pAb (AP0170) at 1:2000 dilution. SH-SY5Y cells were treated by Okadaic Acid (100nM) for 1 hour and Calyculin A (100nM) for 30 minutes after serum-starvation overnight. C6 cell lysates were treated by CIP at 37°C for 1 hour.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% BSA.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 3s.



Immunofluorescence analysis of methanol-fixed HeLa cells using Phospho-Tau-S404 Rabbit pAb (AP0170).



Immunohistochemistry analysis of Phospho-Tau-S404 in paraffin-embedded rat hippocampal region tissue from a model with Alzheimer, using Phospho-Tau-S404 Rabbit pAb (AP0170). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.