

# Phospho-Tau-T181 Rabbit mAb

Catalog No.: AP1324 **Recombinant**

## Basic Information

**Observed MW**

50-80kDa

**Calculated MW**

79kDa

**Category**

Primary antibody

**Applications**

WB, ELISA

**Cross-Reactivity**

Human

**CloneNo number**

ARC54951

## 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** 1:2000 - 1:20000**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

**Gene ID**

4137

**Swiss Prot**

P10636

**Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

**Synonyms**

TAU; MSTD; PPND; DDPAC; MAPTL; MTBT1; MTBT2; tau-40; FTDP-17; PPP1R103; Tau-PHF6; Phospho-Tau-T181

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

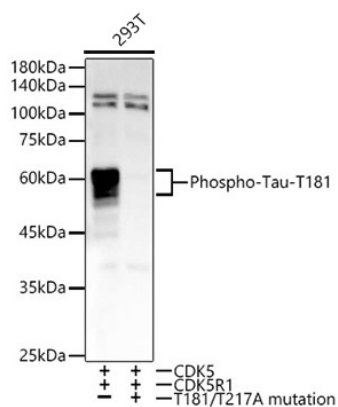
Affinity purification

**Storage**

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Western blot analysis of lysates from 293T cells transfected with CDK5+CDK5R1+Tau and CDK5+CDK5R1+mutant Tau(T181/T217A) using Phospho-Tau-T181 Rabbit mAb (AP1324) at 1:20000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.