

Phospho-Tau-T181 Rabbit mAb

Catalog No.: AP1387 **Recombinant**

Basic Information

Observed MW

50-80kDa

Calculated MW

79kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC, IP

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC56528

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	1:1000 - 1:5000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
IP	0.5µg-4µg antibody for 200µg-600µg extracts of whole cells

Contact

	400-999-6126
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	www.abclonal.com.cn

Immunogen Information

Gene ID

4137

Swiss Prot

P10636

Immunogen

A synthetic phosphorylated peptide around T181 of human Tau.

Synonyms

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

Product Information

Source

Rabbit

Isotype

IgG

Purification

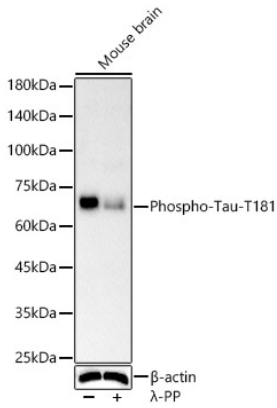
Affinity purification

Storage

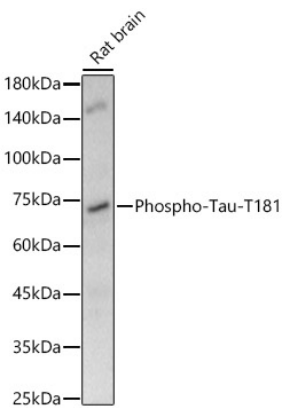
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

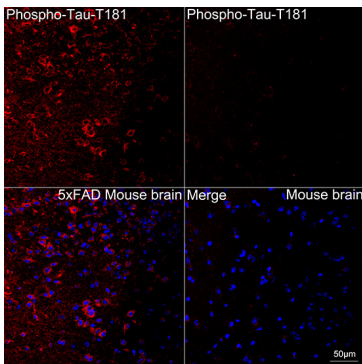
Validation Data



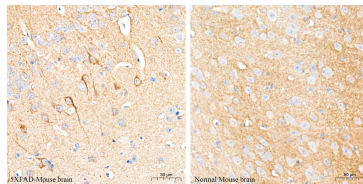
Western blot analysis of various lysates, using Phospho-Tau-T181 antibody (AP1387) at 1:2000 dilution. Mouse brain were treated by λ -PP mixed solution (1 μ l) at 30°C for 30 minutes.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 μ g per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Enhanced Kit (RM00021).
 Exposure time: 60s.



Western blot analysis of Rat brain, using Phospho-Tau-T181 antibody (AP1387) at 1:2000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 μ g per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Enhanced Kit (RM00021).
 Exposure time: 180s.



Confocal imaging of paraffin-embedded 5xFAD mouse brain and mouse brain using Phospho-Tau-T181 Rabbit mAb (AP1387, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform microwave antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.



Immunohistochemistry analysis of Phospho-Tau-T181 in (5xFAD) Mouse brain (left) and normal mouse brain (right) using Phospho-Tau-T181 Rabbit mAb (AP1387) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.