

Phospho-Tau (S214) Rabbit mAb

Catalog No.: AP1423

Recombinant

1 Publications

Basic Information

Observed MW

50-80kDa

Calculated MW

79kDa

Category

Primary antibody

Applications

WB, IHC-P, ELISA

Cross-Reactivity

Human, Mouse

CloneNo number

ARC3098

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 - 1:1000

IHC-P 1:50 - 1:200

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 (S214)

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

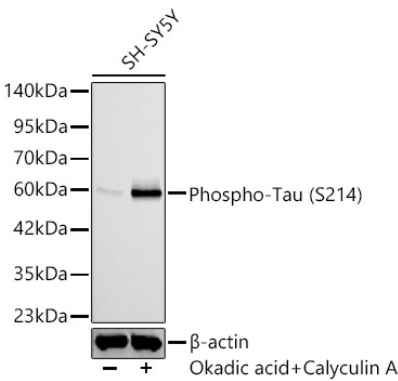
Affinity purification

Storage

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

Buffer: PBS 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 lysates from SH-SY5Y, using Phospho-Tau (S214) Rabbit mAb (AP1423) at 1:1000 dilution. SH-SY5Y cells were treated with Okadaic Acid (100 nM) at 37°C for 1 hour and Calyculin A (100nM) at 37°C for 30 minutes after serum-starvation overnight. °C for 30 minutes after serum-starvation overnight.

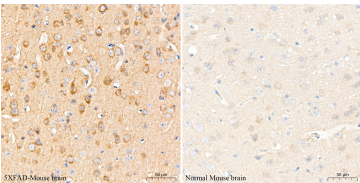
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue, (5XFAD)Mouse brain (left) and normal mouse brain (right), using Phospho-Tau (S214) Rabbit mAb (AP1423) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.