

# Tau Rabbit mAb

Catalog No.: A23490 **Recombinant**

## Basic Information

**Observed MW**

50-80kDa/

**Calculated MW**

79kDa

**Category**

Primary antibody

**Applications**

ELISA,WB,IF/ICC,IP

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC58125

## 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**IF/ICC** 1:100 - 1:500**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

## Immunogen Information

**Gene ID**

4137

**Swiss Prot**

P10636

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human MAPT (NM\_005910.6)

**Synonyms**

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

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

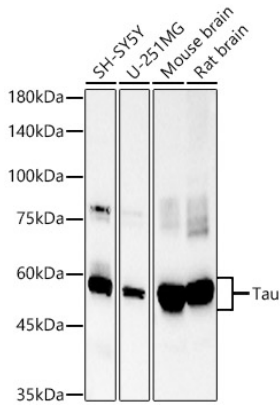
Affinity purification

**Storage**

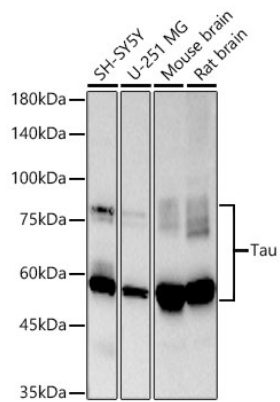
Store at -20°C. Avoid freeze / thaw cycles.

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

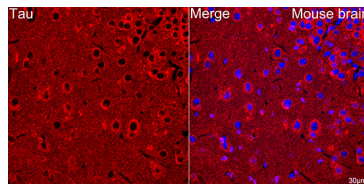
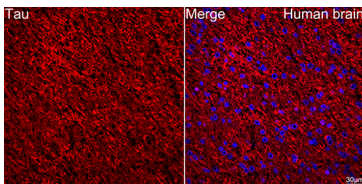
## Validation Data



Western blot analysis of various lysates, using Tau Rabbit mAb (A23490) at 1:2000 dilution. Secondary antibody: HRP 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: 60s.



Western blot analysis of various lysates using Tau Rabbit mAb (A23490) at 1:28300 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



Confocal imaging of human brain using Tau Rabbit mAb (A23490, dilution 1:400) (Red). DAPI was used for nuclear staining (blue). Objective: 40x. Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.

Confocal imaging of mouse brain using Tau Rabbit mAb (A23490, dilution 1:400) (Red). DAPI was used for nuclear staining (blue). Objective: 40x. Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.