

## Recombinant Tau(Phospho-Thr181) Rabbit mAb(G69)

Catalog No: #58002



Package Size: #58002-1 50ul #58002-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Recombinant Tau(Phospho-Thr181) Rabbit mAb(G69)
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	G69
Isotype	IgG
Purification	Affinity purification
Applications	ELISA, WB, IHC, IF
Species Reactivity	Human; Mouse; Rat
Specificity	The antibody detects endogenous level of Tau only when phosphorylated at threonine 181.
Immunogen Type	Peptide
Immunogen Description	Peptide sequence around phosphorylation site of threonine 181 derived from Human Tau.
Conjugates	Unconjugated
Target Name	Tau
Modification	Phospho
Other Names	MAPT; MTAPT; MTBT1; Neurofibrillary tangle protein; PHF-tau
Accession No.	Swiss-Prot: P10636NCBI Protein: NP_001116538.1
Calculated MW	48 62 78 kDa
SDS-PAGE MW	50-80kDa
Concentration	0.8 mg/ml
Formulation	PBS with 0.02% sodium azide, pH 7.3.
Storage	Upon delivery aliquot and store at -20 °C for one year. Avoid freeze/thaw cycles.

## Application Details

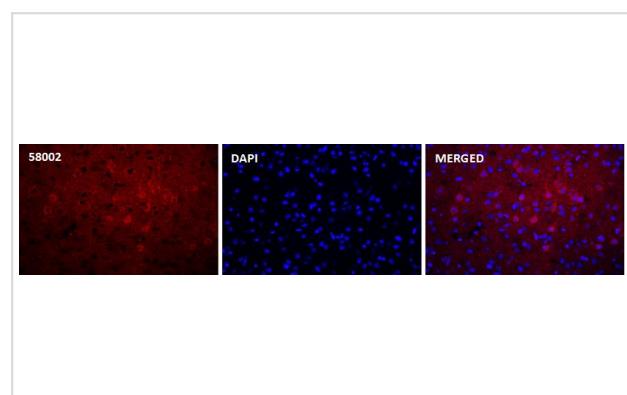
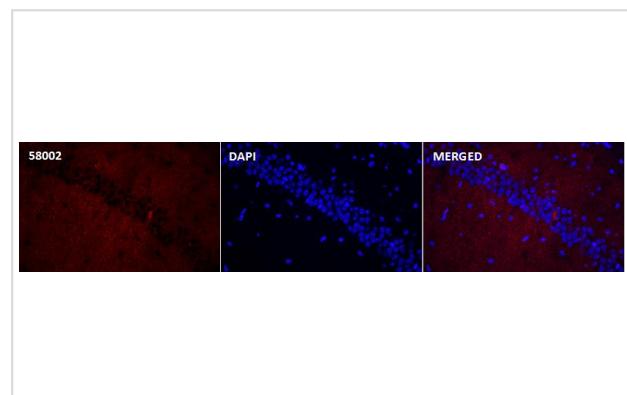
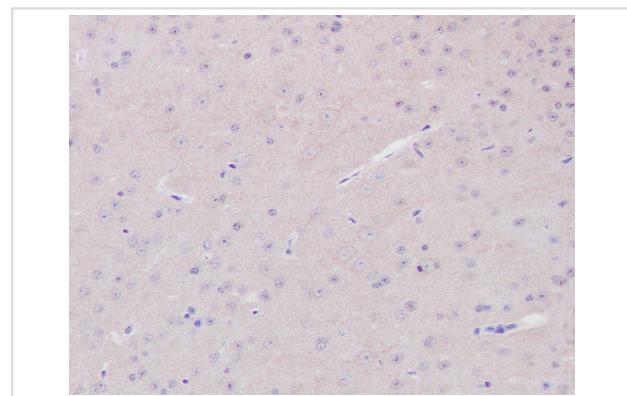
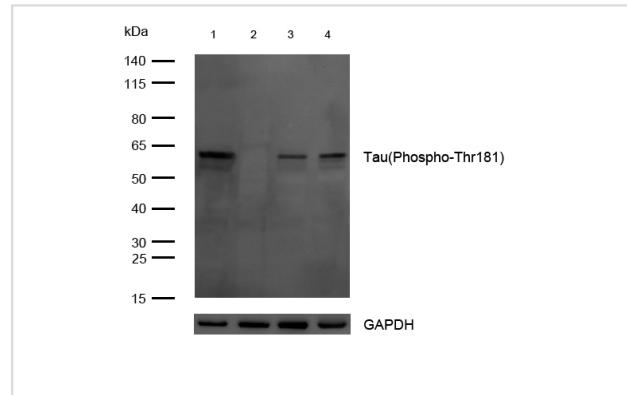
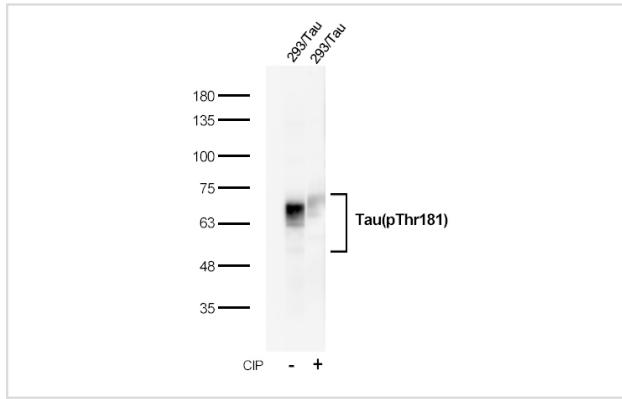
Elisa: 1:10000

WB: 1:500~1:1000

IHC: 1:50-1:200

IF: 1:50-1:200

## Images



## Background

Promotes microtubule assembly and stability, and might be involved in the establishment and maintenance of neuronal polarity. The C-terminus binds axonal microtubules while the N-terminus binds neural plasma membrane components, suggesting that tau functions as a linker protein between both. Axonal polarity is predetermined by tau localization (in the neuronal cell) in the domain of the cell body defined by the centrosome. The short isoforms allow plasticity of the cytoskeleton whereas the longer isoforms may preferentially play a role in its stabilization.

Puig B, et al.(2005) Acta Neuropathol (Berl). 110(3):261-268.

## Published Papers

Caixia Yan;Qilin Diao;Yuxi Zhao;Cheng Zhang;Xiaoya He;Ruijie Huang;Yan Li et al., Fusobacterium nucleatum infection-induced neurodegeneration and abnormal gut microbiota composition in Alzheimer's disease-like rats, , (2022)

PMID:36188448

Note: This product is for in vitro research use only and is not intended for use in humans or animals.