

Recombinant Tau(Phospho-Thr217) Rabbit mAb(G122)

Catalog No: #58004

Package Size: #58004-1 50ul #58004-2 100ul

Description

Product Name	Recombinant Tau(Phospho-Thr217) Rabbit mAb(G122)
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	G122
Purification	Affinity purification
Applications	ELISA, WB, IHC, IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of Tau only when phosphorylated at threonine 217.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 217(L-P-T(p)-P-P) derived from Human Tau.
Conjugates	Unconjugated
Target Name	Tau
Modification	Phospho
Other Names	MAPT; MTBT1; PHF-tau;
Accession No.	Swiss-Prot#: P10636; NCBI Gene#: 4137; NCBI Protein#: NP_058519.3.
SDS-PAGE MW	50-80kd
Concentration	1.0 mg/ml
Formulation	Liquid in Tris-Gly containing 50% glycerol and 0.02% sodium azide.
Storage	Store at -20°C. Avoid freeze/thaw cycles.

Application Details

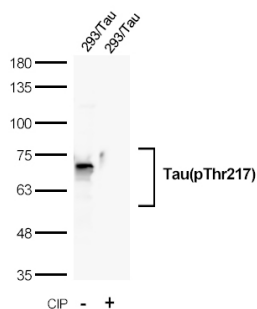
Elisa: 1:10000

WB: 1:500~1:1000

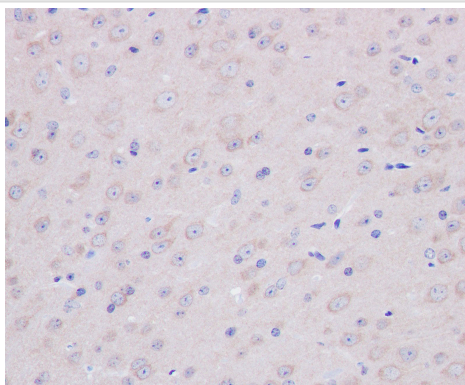
IHC: 1:50-1:200

IF: 1:50-1:200

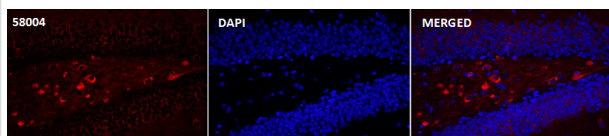
Images



Western blot analysis of extracts from 293 cells, transfected with Tau and treated with calf intestinal phosphatase (CIP) using Tau(Phospho-Thr217) Rabbit mAb.



Formalin-fixed, paraffin-embedded Mouse brain tissue stained for Tau(Phospho-Thr217) using 58004 at 1/50 dilution in immunohistochemical analysis.



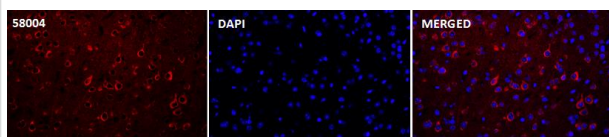
Immunocytochemistry/ Immunofluorescence

Tau(Phospho-Thr217) antibody (58004)

ICC/IF staining of Tau(Phospho-Thr217) in mouse brain tissue. mouse brain was fixed with 4% Paraformaldehyde permeabilized for 20 minutes.

Samples were incubated with 58004 at a working dilution of 1/50. The secondary antibody was Alexa Fluor 647 goat anti rabbit, used at a dilution of 1/500.

Nuclei were counterstained with DAPI.



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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.

Goedert M., Proc. Natl. Acad. Sci. U.S.A. 85:4051-4055(1988).

Goedert M., EMBO J. 8:393-399(1989).

Lee G., Neuron 2:1615-1624(1989).

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