

For Research Use Only

TAU Monoclonal antibody, PBS Only



Catalog Number: 66499-1-PBS

Featured Product

Basic Information

Catalog Number:

66499-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2c

Immunogen Catalog Number:

AG21926

GenBank Accession Number:

BC000558

GeneID (NCBI):

4137

UNIPROT ID:

P10636

Full Name:

microtubule-associated protein tau

Calculated MW:

37-46, 79-81 kDa

Observed MW:

100 kDa

Purification Method:

Protein A purification

CloneNo.:

1E9A8

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

Human, mouse, rat, pig

Background Information

The microtubule-associated protein TAU (MAPT or TAU) is encoded by MAPT gene, which locates on human chromosome 17q21, binds to the tubulin subunit of microtubule and promotes its assembly and stability. Most TAU is expressed in neurons, and TAU isoform is expressed in the peripheral nervous system while the others are expressed in the central nervous system. TAU links axonal microtubules with C-terminus to neural plasma membrane components with its N-terminus, suggesting the participation in intracellular signal transduction and neuron's development and viability. Various isoforms of Tau exist due to the alternative splicing, and short isoforms around 45-69 kDa and long isoforms around 100-110 kDa have been reported in different literature (PMID:8752131,15965697, 12485403). Present monoclonal anti-Tau antibody can detect approx 100-kDa bands in brain tissues.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

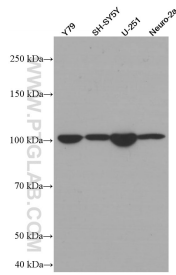
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

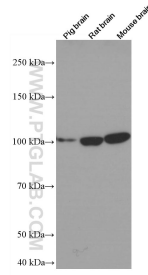
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

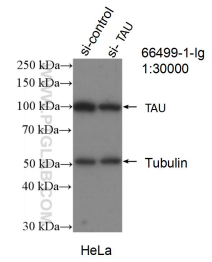
Selected Validation Data



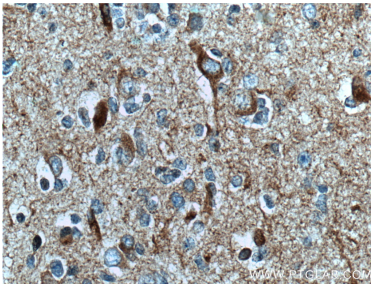
Various lysates were subjected to SDS PAGE followed by western blot with 66499-1-Ig (TAU antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66499-1-PBS in a different storage buffer formulation.



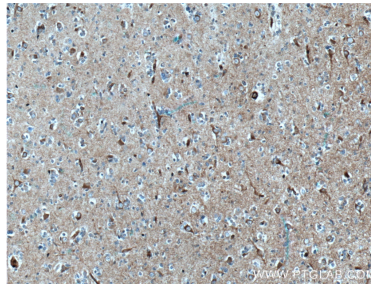
Various lysates were subjected to SDS PAGE followed by western blot with 66499-1-Ig (TAU antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66499-1-PBS in a different storage buffer formulation.



WB result of TAU antibody (66499-1-Ig: 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TAU transfected HeLa cells. This data was developed using the same antibody clone with 66499-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 66499-1-Ig (TAU antibody) at dilution of 1:400 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66499-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 66499-1-Ig (TAU antibody) at dilution of 1:400 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66499-1-PBS in a different storage buffer formulation.