

For Research Use Only

# TAU Polyclonal antibody

Catalog Number: 10274-1-AP **48 Publications**



## Basic Information

<b>Catalog Number:</b> 10274-1-AP	<b>GenBank Accession Number:</b> BC000558	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 750 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4137	<b>Recommended Dilutions:</b> WB 1:2000-1:12000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P10636	IHC 1:20-1:200
<b>Isotype:</b> IgG	<b>Full Name:</b> microtubule-associated protein tau	IF-P 1:50-1:500
<b>Immunogen Catalog Number:</b> AG0354	<b>Calculated MW:</b> 37-46, 79-81 kDa	IF-Fro 1:50-1:500
	<b>Observed MW:</b> 45-70 kDa, 100 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF-P, IF-Fro, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC, IF	<b>WB :</b> mouse brain tissue, rat brain
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human brain tissue, human gliomas tissue
<b>Cited Species:</b> human, mouse, rat, goat	<b>IF-P :</b> mouse brain tissue,
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IF-Fro :</b> mouse brain tissue,

## Background Information

Tau (tubulin-associated unit) is a microtubule-associated protein (also known as MAPT), expressed mainly in neurons of the central nervous system. Its primary function is to modulate microtubule dynamics for maintaining axonal cytoskeleton. 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 (8752131,15965697). Present polyclonal anti-Tau antibody was produced by immunizing animals with N-terminal of Tau and can detect approx 45-70 kDa and 100-kDa bands in brain tissues.

## Notable Publications

Author	Pubmed ID	Journal	Application
Fayi Nie	33113163	J Neurochem	WB
Shenya Xu	33183805	Sci Total Environ	WB, IHC
Jie Ai	33131696	Free Radic Biol Med	WB

## Storage

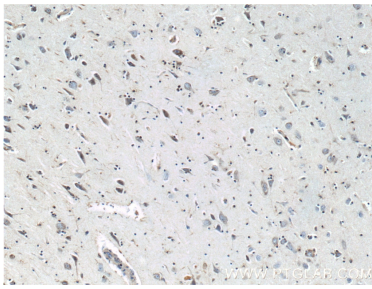
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

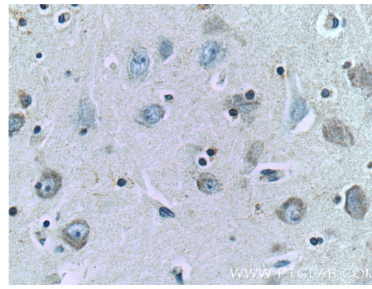
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

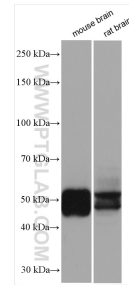
## Selected Validation Data



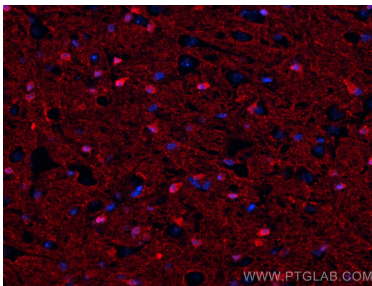
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 10274-1-AP (TAU Antibody) at dilution of 1:200 (under 10x lens).



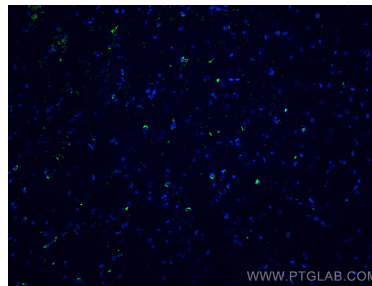
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 10274-1-AP (TAU Antibody) at dilution of 1:200 (under 40x lens).



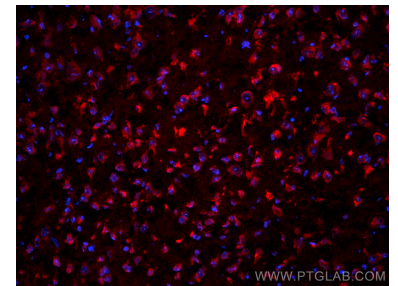
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10274-1-AP (TAU antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using TAU antibody (10274-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse brain tissue using TAU antibody (10274-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse brain tissue using TAU antibody (10274-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-4).