

For Research Use Only

TAU Polyclonal antibody

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



Basic Information

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

Applications

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

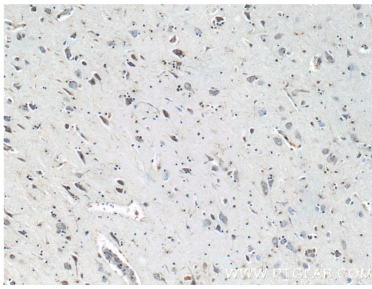
Storage

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

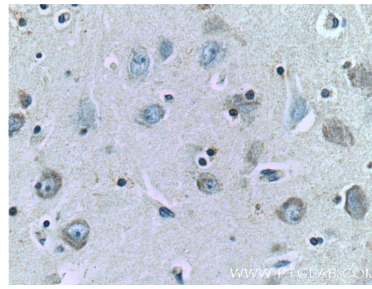
For technical support and original validation data for this product please contact:
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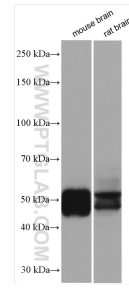
Selected Validation Data



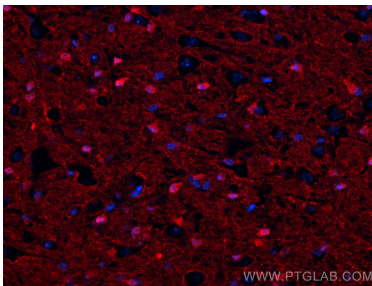
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 10274-1-AP (TAU Antibody) at dilution of 1:200 (under 10x lens).



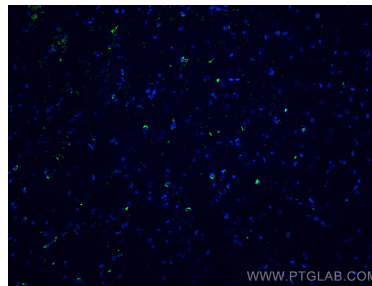
Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 10274-1-AP (TAU Antibody) at dilution of 1:200 (under 40x lens).



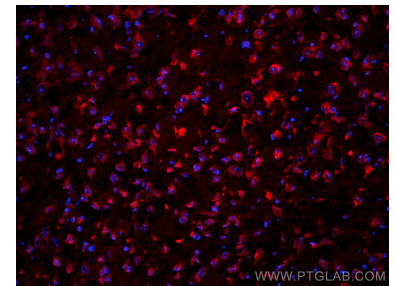
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10274-1-AP (TAU antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



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).