

TAU Recombinant monoclonal antibody

Catalog Number: 82846-5-RR

Basic Information

Catalog Number:	82846-5-RR	GenBank Accession Number:	NM_016835.4	Purification Method:	Protein A purification
Source:	Rabbit	GeneID (NCBI):	4137	CloneNo.:	252452C8
Isotype:	IgG	UNIPROT ID:	P10636	Recommended Dilutions:	
Immunogen Catalog Number:	EG6232	Full Name:	microtubule-associated protein tau	WB:	1:5000-1:50000
		Calculated MW:	79 kDa	IHC:	1:1500-1:6000
		Observed MW:	45-70 kDa	IF-P:	1:50-1:500
				IF-Fro:	1:50-1:500

Applications

Tested Applications:
WB, IHC, IF-P, IF-Fro, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse brain tissue, rat brain tissue, fetal human brain tissue

IHC : human colon tissue,

IF-P : mouse brain tissue,

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).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

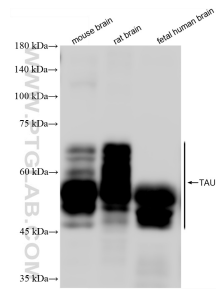
T: 4006900926

E: Proteintech-CN@ptglab.com

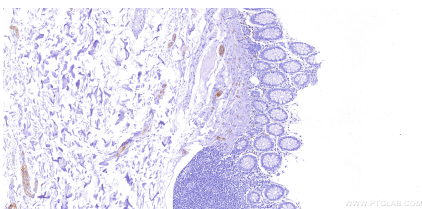
W: ptgcn.com

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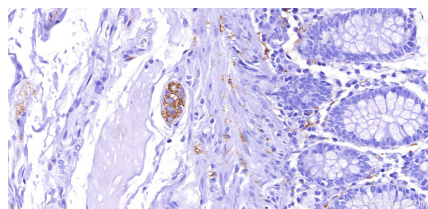
Selected Validation Data



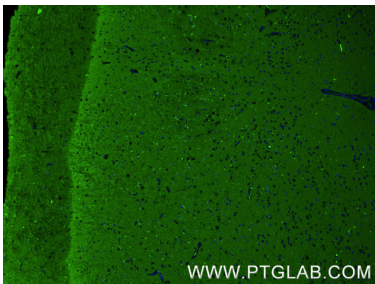
Various lysates were subjected to SDS PAGE followed by western blot with 82846-5-RR (TAU antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



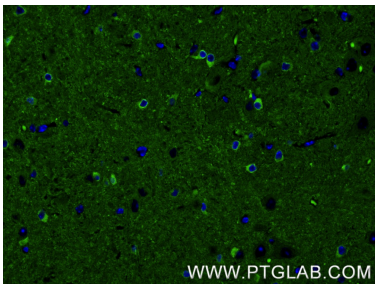
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 82846-5-RR (TAU antibody) at dilution of 1:3000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



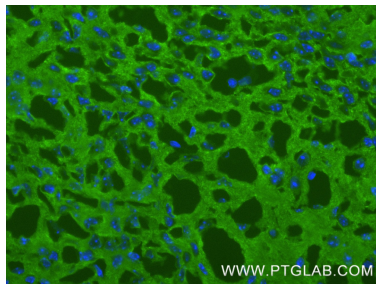
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 82846-5-RR (TAU antibody) at dilution of 1:3000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



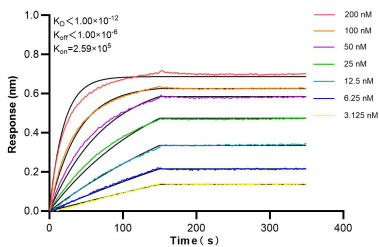
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using TAU antibody (82846-5-RR, Clone: 252452C8) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using TAU antibody (82846-5-RR, Clone: 252452C8) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). 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 (82846-5-RR, Clone: 252452C8) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 82846-5-RR against Human TAU were performed. The affinity constant is below 1 pM.