À des fins de recherche uniquement

Anticorps Monoclonal anti-TAU

Numéro de catalogue:66499-1-Ig Phare 10 Publications

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Antibodies | ELISA kits | Proteins
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Informations de base

Numéro de catalogue:
66499-1-Ig

Taille:
150ul , Concentration: 1100 μg/ml by Nanodrop and 1000 μg/ml by Bradford method using BSA as the standard;

Hôte:
Mouse

Isotype:
IgG2c

Immunogen Catalog Number:
AG21926

Numéro d'acquisition GenBank:
BC000558

Identification du gène (NCBI):
4137

Nom complet:
microtubule-associated protein tau

MW calculé
37-46, 79-81 kDa

MW observés:
100 kDa

Méthode de purification:
Purification par protéine A

CloneNo.:
1E9A8

Dilutions recommandées:
WB 1:1000-1:30000
IHC 1:200-1:800

Applications

Applications testées:
IHC, WB, ELISA

Demandes citées:
IF, WB

Spécificité de l'espèce:
Humain, porc, rat, souris

Espèces citées:
Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules Neuro-2a, cellules SH-SY5Y, cellules U-251, cellules Y79, tissu cérébral de porc, tissu cérébral de rat, tissu cérébral de souris

IHC : tissu de gliome humain, tissu cérébral de souris

Informations générales

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.

Publications notables

Autrice	Pubmed ID	Journal	Application
Estibaliz Santiago-Mujika	36606207	J Alzheimers Dis Rep	WB
Jiqu Xu	31050371	J Pineal Res	WB
Nicholas E. Albrecht	35880013	Cell Rep Methods	IF

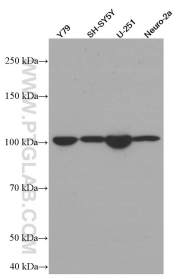
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

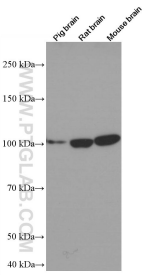
***** Les 20ul contiennent 0,1% de BSA.**

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

Données de validation sélectionnées



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.



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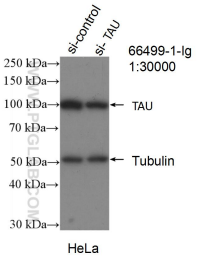
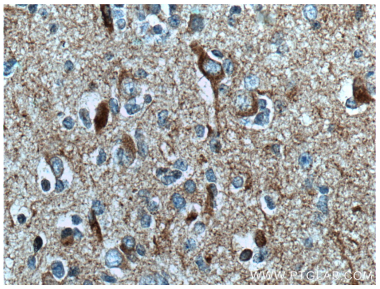
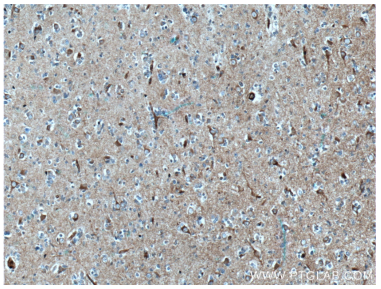


WB result of TAU antibody (66499-1-Ig; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TAU transfected HeLa cells.



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).



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).