

## Allgemeine Informationen

## Katalog-Nr.:

66499-1-Ig

## Größe:

150ul, Konzentration: 1100 µg/ml von 4137

Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;

## Wirt:

Maus

## Isotyp:

IgG2c

## Immunogen Katalognummer:

AG21926

## GenBank-Zugangsnummer:

BC000558

## GeneID (NCBI):

4137

## Vollständiger Name:

microtubule-associated protein tau

## Berechnete Masse:

37-46, 79-81 kDa

## Beobachtete Masse:

100 kDa

## Reinigungsmethode:

Protein-A-Reinigung

## CloneNo.:

1E9A8

## Empfohlene Verdünnungen:

WB 1:1000-1:30000

IHC 1:200-1:800

## Anwendungen

## Geprüfte Anwendungen:

IHC, WB, ELISA

## In Publikationen genannte Anwendungen:

IF, WB

## Getestete Reaktivität:

Hausschwein, Human, Maus, Ratte

## Zitierte Arten:

Human, Maus, Ratte

**Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

## Positivkontrollen:

**WB**: HeLa-Zellen, Hausschwein-Hirngewebe, Maushirngewebe, Neuro-2a-Zellen, Rattenhirngewebe, SH-SY5Y-Zellen, U-251-Zellen, Y79-Zellen

**IHC**: humanes Gliomgewebe, Maushirngewebe

## Hintergrundinformationen

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.

## Bemerkenswerte Veröffentlichungen

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

## Lagerung

## Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

## Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

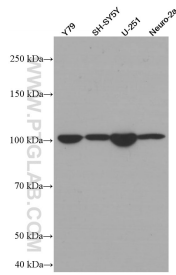
For technical support and original validation data for this product please contact:

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

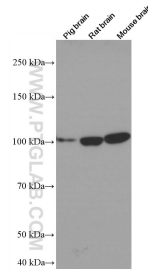
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
 W: [ptglab.com](http://ptglab.com)

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

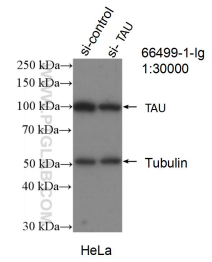
## Ausgewählte Validierungsdaten



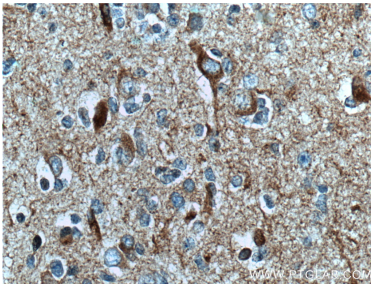
Various lysates were subjected to SDS PAGE followed by western blot with 66499-1-Ig (TAU antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



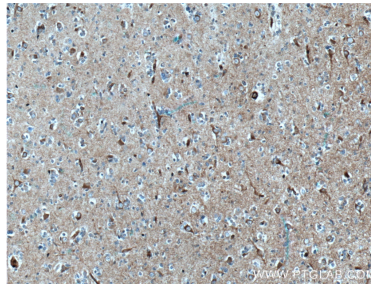
Various lysates were subjected to SDS PAGE followed by western blot with 66499-1-Ig (TAU antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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).