

For Research Use Only

TTBK2 Polyclonal antibody

Catalog Number: 15072-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number: 15072-1-AP	GenBank Accession Number: BC071556	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 146057	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:20-1:200
Source: Rabbit	Full Name: tau tubulin kinase 2	
Isotype: IgG	Calculated MW: 137 kDa	
Immunogen Catalog Number: AG7108	Observed MW: 137-150 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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 : PC-3 cells, HeLa cells, SH-SY5Y cells

IHC : mouse brain tissue, human prostate cancer tissue

IF : SH-SY5Y cells,

Background Information

TTBK2(tau tubulin kinase 2) plays an important role in the tau cascade and in spinocerebellar degeneration. The N-terminus of TTBK2 has a serine-threonine-tyrosine kinase domain, and a C-terminal region shows homology to TTBK1. TTBK1 and TTBK2 function as regulators of TDP-43 phosphorylation. TTBK1/2 may be attractive drug targets for therapeutic interventions in TDP-43 proteinopathies such as FTLD-TDP and ALS.(PMID:25473830). 15072-1-AP has a cross reaction with TTBK1.

Notable Publications

Author	Pubmed ID	Journal	Application
Ebtissal M Khouj	31492759	J Cell Sci	IF
Min Liu	34480124	Cell Res	WB,IF
Si-Hyung Lee	27263857	Sci Rep	IF

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)

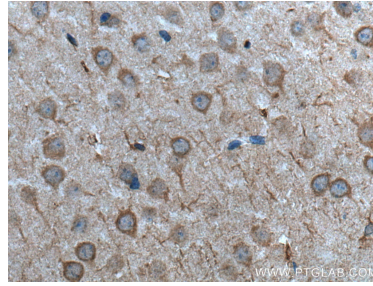
E: proteintech@ptglab.com
W: ptglab.com

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

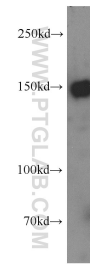
Selected Validation Data



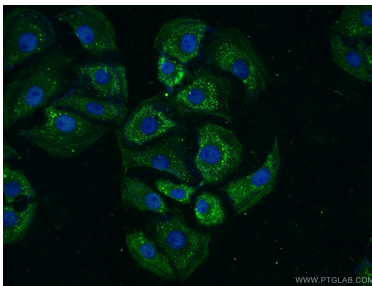
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15072-1-AP (TTBK2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



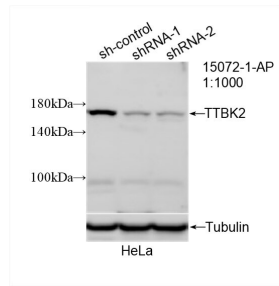
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15072-1-AP (TTBK2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



PC-3 cells were subjected to SDS PAGE followed by western blot with 15072-1-AP (TTBK2 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using 15072-1-AP (TTBK2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB result of TTBK2 antibody (15072-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TTBK2 transfected HeLa cells.