

For Research Use Only

TTBK2 Polyclonal antibody

Catalog Number: 15072-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

15072-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7108

GenBank Accession Number:

BC071556

GeneID (NCBI):

146057

UNIPROT ID:

Q6IQ55

Full Name:

tau tubulin kinase 2

Calculated MW:

137 kDa

Observed MW:

137-150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF

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/ICC : hTERT-RPE1 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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

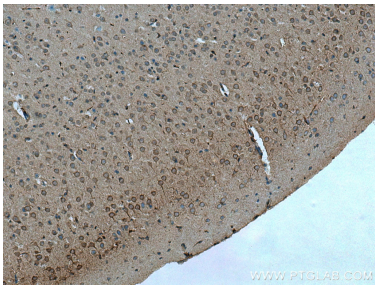
For technical support and original validation data for this product please contact:

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

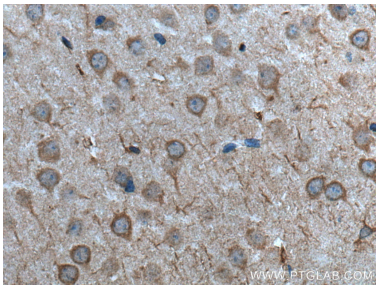
E: proteintech@ptglab.com
W: ptglab.com

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

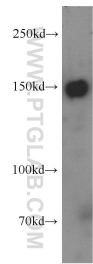
Selected Validation Data



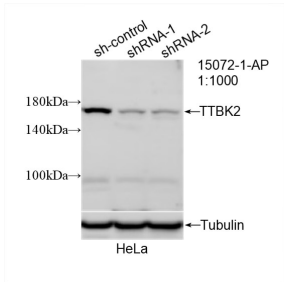
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15072-1-AP (TTBK2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



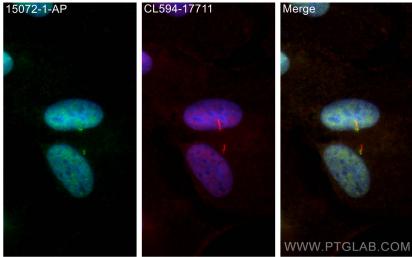
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 15072-1-AP (TTBK2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.



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.



Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using TTBK2 antibody (15072-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L), CoraLite® 594 ARL13B antibody (CL594-17711, red).