

For Research Use Only

TTBK2 Recombinant antibody

Catalog Number: 84634-1-RR



Basic Information

Catalog Number:

84634-1-RR

Size:

100ul , Concentration: 1000 µg/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:

Protein A purification

CloneNo.:

241456B4

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : PC-3 cells, HepG2 cells, L02 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).

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

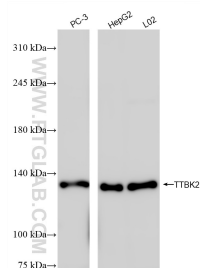
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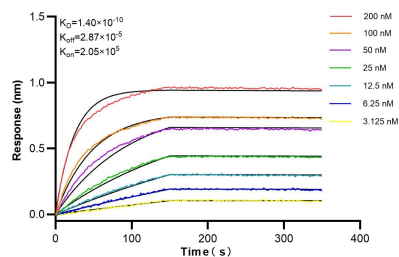
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84634-1-RR (TTBK2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84634-1-RR against Human TTBK2 were performed. The affinity constant is 0.14 nM.