For Research Use Only

Phospho-TrkA (Tyr496)/TrkB (Tyr516) Recombinant antibody

Catalog Number:84976-1-RR

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
84976-1-RR

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC062580

GeneID (NCBI):
4914

UNIPROT ID:
P04629

Full Name:
neurotrophic tyrosine kinase, receptor, type 1

Observed MW:
140 kDa

Purification Method:
Protein A purfication

CloneNo.:
241917B1

Recommended Dilutions:
WB 1:1000-1:6000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : pervanadate treated HeLa cells,

Background Information

The tyrosine kinase receptor TrkA (or neurotrophin receptor kinase 1, NTRK1) has been predominately studied for its role during the development of the nervous system. In developing neurons, TrkA activation upon binding of its ligands nerve growth factor (NGF) or neurotrophin-3 (NT-3) results in the stimulation of various tyrosine kinase-induced signaling pathways leading to neuronal outgrowth. (PMID: 32957504) This antibody recognizes the phosphorylation of TrkA at site 496, which is the phosphorylation of the TrkA-I(isoform 2) sequence at site 490.

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
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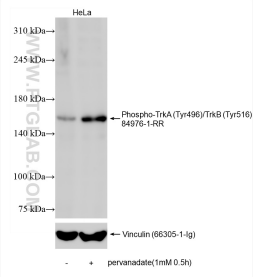
Selected Validation Data



Non-treated and pervanadate treated HeLa cells were subjected to SDS PAGE followed by western blot with 84976-1-RR (Phospho-NTRK1 (Tyr496) antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Vinculin (66305-1-Ig) antibody as a loading control.