

For Research Use Only

TrkA Recombinant antibody, PBS Only

Catalog Number: 83477-7-PBS



Basic Information

Catalog Number:

83477-7-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32759

GenBank Accession Number:

NM_001007792

GeneID (NCBI):

4914

UNIPROT ID:

P04629

Full Name:

neurotrophic tyrosine kinase, receptor, type 1

Calculated MW:

88 kDa

Observed MW:

140 kDa

Purification Method:

Protein A purification

CloneNo.:

240440D12

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Background Information

NTRK1 (Neurotrophic tyrosine kinase receptor 1) is located on chromosome 1q23.1 and is responsible for a rare genetic disorder, CIPA (congenital insensitivity to pain with anhidrosis) (PMID: 37907480). As a neurotrophin receptor, NTRK1 is abundantly expressed in human neuronal tissues and plays an integral role in the development and function of the human nervous system (PMID: 27843590). NTRK1 also regulates the survival and proliferation of cholinergic neurons (PMID: 20054812).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

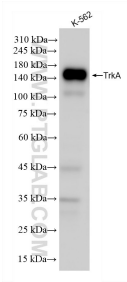
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

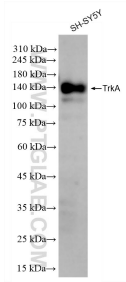
W: ptglab.com

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

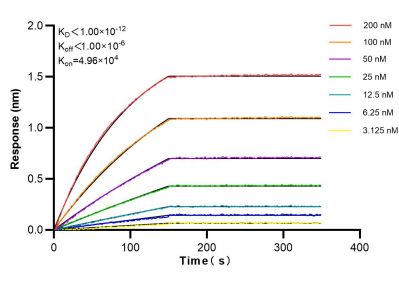
Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 83477-7-RR (TrkA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83477-7-PBS in a different storage buffer formulation.



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 83477-7-RR (TrkA antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83477-7-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83477-7-RR against Human NTRK1 were performed. The affinity constant is below 1 pM.