

For Research Use Only

# TrkA Recombinant antibody

Catalog Number: 83477-7-RR



## Basic Information

Catalog Number:

83477-7-RR

Concentration:

1000 ug/ml

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

Recommended Dilutions:

WB 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : K-562 cells, SH-SY5Y cells

## 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 -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

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

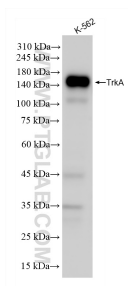
T: 4006900926

E: Proteintech-CN@ptglab.com

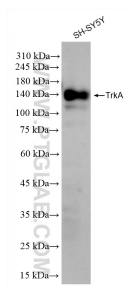
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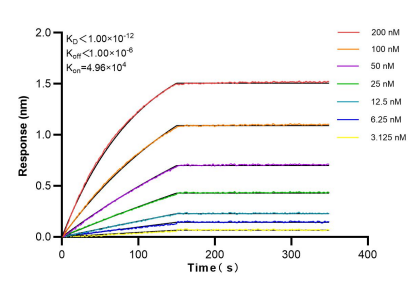
## Selected Validation Data



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.



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.



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