

For Research Use Only

# TrkA Recombinant antibody

Catalog Number: 83477-7-RR



## Basic Information

<b>Catalog Number:</b> 83477-7-RR	<b>GenBank Accession Number:</b> NM_001007792	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4914	<b>CloneNo.:</b> 240440D12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P04629	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG	<b>Full Name:</b> neurotrophic tyrosine kinase, receptor, type 1	
<b>Immunogen Catalog Number:</b> AG32759	<b>Calculated MW:</b> 88 kDa	
	<b>Observed MW:</b> 140 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : K-562 cells, SH-SY5Y cells
<b>Species Specificity:</b> 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

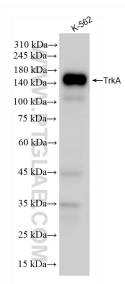
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

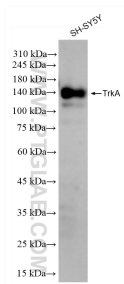
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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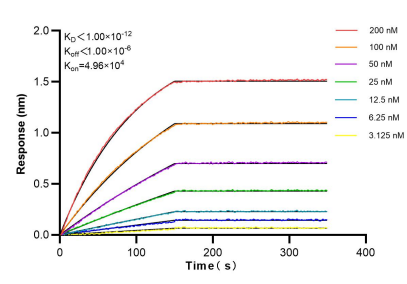
Selected Validation Data



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.