

For Research Use Only

NTRK1 Recombinant antibody

Catalog Number: 83477-7-RR



Basic Information

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

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : K-562 cells, SH-SY5Y cells
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 -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:

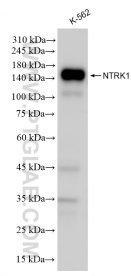
T: 4006900926

E: Proteintech-CN@ptglab.com

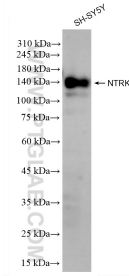
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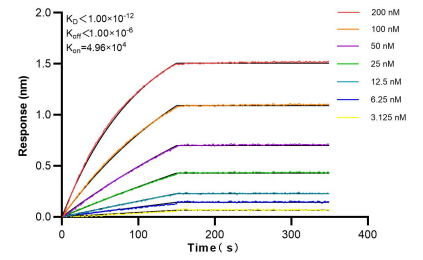
Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 83477-7-RR (NTRK1 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 (NTRK1 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.