

For Research Use Only

Neurofibromin 1 Recombinant antibody

Catalog Number:83620-5-RR



Basic Information

Catalog Number: 83620-5-RR	GenBank Accession Number: M60915	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4763	CloneNo.: 240540F2
Source: Rabbit	UNIPROT ID: P21359	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: neurofibromin 1	
Immunogen Catalog Number: AG25799	Calculated MW: 319 kDa	
	Observed MW: 250-280 kDa	

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human, mouse, rat

Positive Controls:
WB : A431 cells, PC-12 cell, NIH/3T3 cells, HEK-293T cells, HeLa cells

Background Information

NF1 codes for neurofibromin, a GTPase-activating protein that negatively regulates RAS/MAPK pathway activity by accelerating the hydrolysis of Ras-bound GTP. NF1 has a high mutation rate and mutations in NF1 can alter cellular growth control, and neural development, resulting in neurofibromatosis type 1 (NF1, also known as von Recklinghausen syndrome).

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.

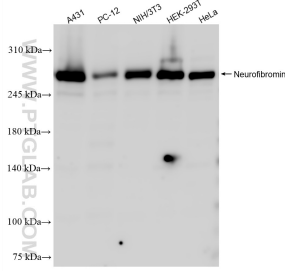
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

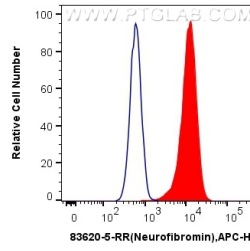
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

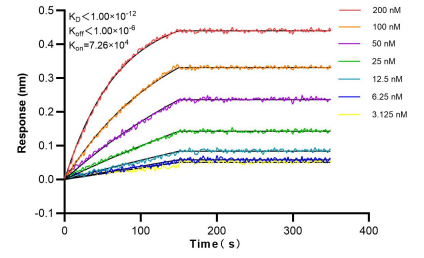
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83620-5-RR (Neurofibromin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1×10^6 HeLa cells were intracellularly stained with 0.25 μ g Neurofibromin 1 Recombinant antibody (83620-5-RR, Clone:240540F2) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 μ g Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 83620-5-RR against Human Neurofibromin 1 were performed. The affinity constant is below 1 pM.