

For Research Use Only

Neurofibromin 1 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83620-5-PBS



Basic Information

Catalog Number:

83620-5-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25799

GenBank Accession Number:

M60915

GeneID (NCBI):

4763

UNIPROT ID:

P21359

Full Name:

neurofibromin 1

Calculated MW:

319 kDa

Observed MW:

250-280 kDa

Purification Method:

Protein A purification

CloneNo.:

240540F2

Applications

Tested Applications:

WB, FC (Intra), Cytometric bead array, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

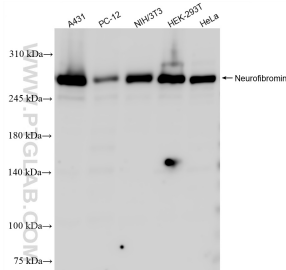
T: 4006900926

E: Proteintech-CN@ptglab.com

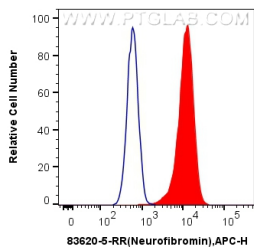
W: ptgcn.com

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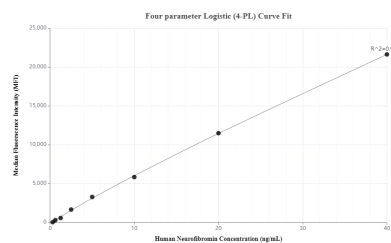
Selected Validation Data



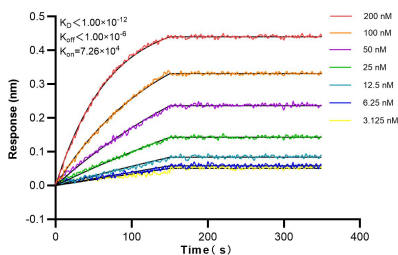
Various lysates were subjected to SDS PAGE followed by western blot with 83620-5-RR (Neurofibromin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83620-5-PBS in a different storage buffer formulation.



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug Neurofibromin 1 Recombinant antibody (83620-5-RR, Clone:240540F2) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 83620-5-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00570-2, Neurofibromin Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83620-5-PBS. Detection antibody: 83620-4-PBS. Standard: Ag25799. Range: 0.313-40 ng/mL



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