

For Research Use Only

Neurofibromin 1 Recombinant antibody

Catalog Number: 83620-5-RR



Basic Information

Catalog Number:

83620-5-RR

Concentration:

1000 ug/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

Recommended Dilutions:

WB 1:5000-1:50000

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

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

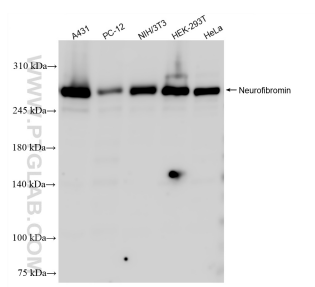
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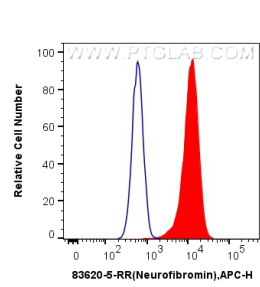
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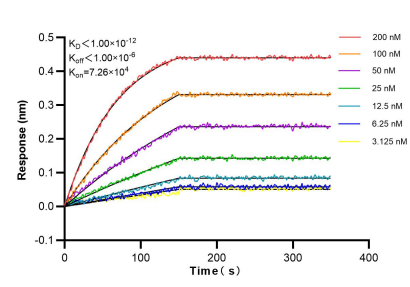
Selected Validation Data



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.



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).



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