

For Research Use Only

N4BP3 Recombinant antibody

Catalog Number: 83178-2-RR



Basic Information

Catalog Number: 83178-2-RR	GenBank Accession Number: BC053323	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 23138	CloneNo.: 230547D12
Source: Rabbit	UNIPROT ID: O15049	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:50-1:500
Isotype: IgG	Full Name: Nedd4 binding protein 3	
Immunogen Catalog Number: AG10194	Calculated MW: 544 aa, 60 kDa	
	Observed MW: 65-70 kDa	

Applications

Tested Applications:
WB, IHC, FC (Intra), ELISA

Species Specificity:
human

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : MCF-7 cells,

IHC : human liver tissue,

Background Information

N4BP3, also named as KIAA0341, a Fezzin family member, during nerve cell development. It is crucial for axonal and dendritic branching in developing neurons. It binds the protein NEDD4 and interacts with 14-3-3 proteins. N4BP3 is present in early neurites, growth cones, axons and dendrites of developing primary hippocampal neurons.

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

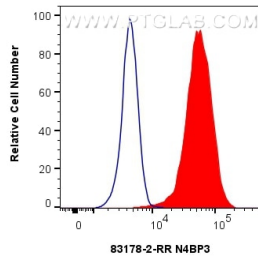
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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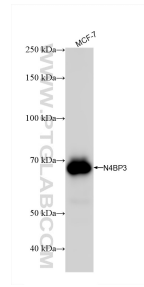
E: proteintech@ptglab.com
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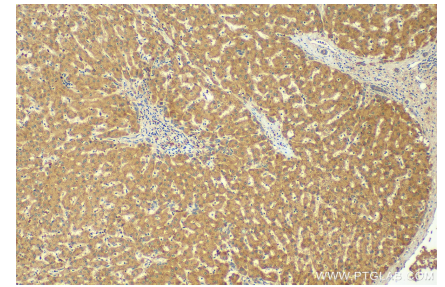
Selected Validation Data



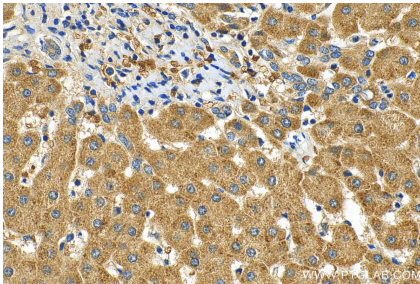
1x10⁶ MCF-7 cells were intracellularly stained with 0.25 ug N4BP3 Recombinant antibody (83178-2-RR, Clone:230547D12) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



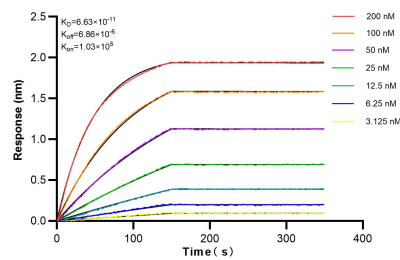
MCF-7 cells were subjected to SDS PAGE followed by western blot with 83178-2-RR (N4BP3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 83178-2-RR (N4BP3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 83178-2-RR (N4BP3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 83178-2-RR against Human N4BP3 were performed. The affinity constant is 66.3 pM.