

N4BP3 Recombinant antibody

Catalog Number: 83178-2-RR

Basic Information

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

Applications

Tested Applications:	Positive Controls:
WB, IHC, FC (Intra), ELISA	WB : MCF-7 cells,
Species Specificity:	IHC : human liver tissue,
human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

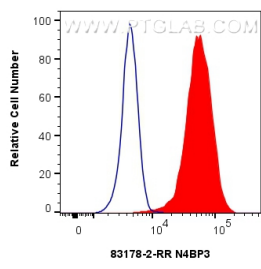
Background Information

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.

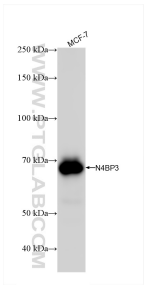
Storage

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

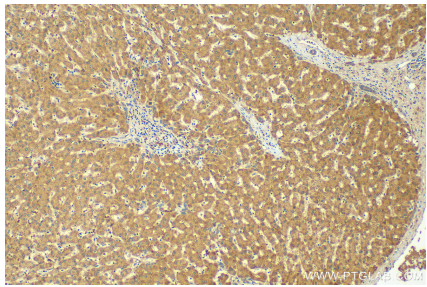
Selected Validation Data



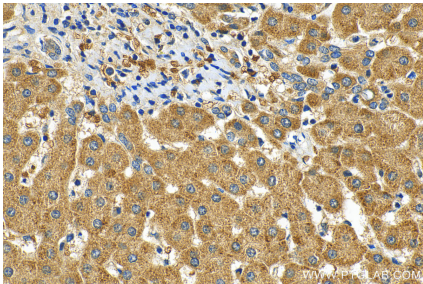
1x10⁶ MCF-7 cells were intracellularly stained with 0.25 ug N4BP3 Recombinant antibody (83178-2-RR, Clone:230547D12) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining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



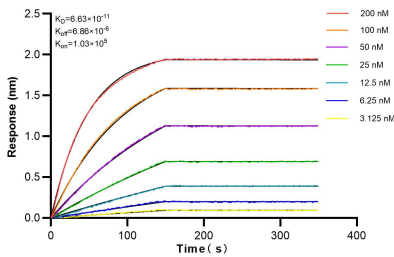
MCF-7 cells were subjected to SDS PAGE followed by western blot with 83178-2-RR (N4BP3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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.