

For Research Use Only

# N4BP3 Recombinant antibody, PBS Only (Detector)



Catalog Number: 83178-2-PBS

## Basic Information

<b>Catalog Number:</b> 83178-2-PBS	<b>GenBank Accession Number:</b> BC053323	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23138	<b>CloneNo.:</b> 230547D12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O15049	
<b>Isotype:</b> IgG	<b>Full Name:</b> Nedd4 binding protein 3	
<b>Immunogen Catalog Number:</b> AG10194	<b>Calculated MW:</b> 544 aa, 60 kDa	

## Applications

**Tested Applications:**  
Cytometric bead array, Indirect ELISA, IHC, WB

**Species Specificity:**  
human

## Product Information

83178-2-PBS targets N4BP3 as part of a matched antibody pair.

MP00260-3: 83178-4-PBS capture and 83178-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

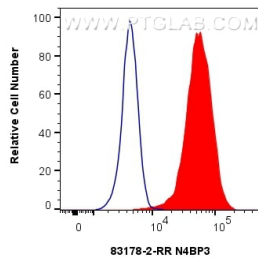
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

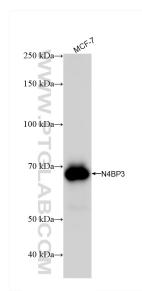
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

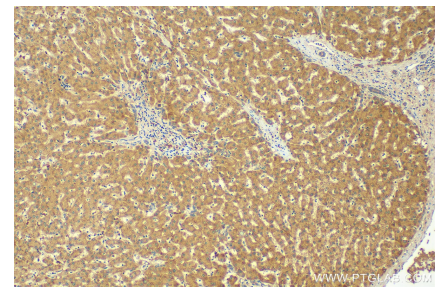
## Selected Validation Data



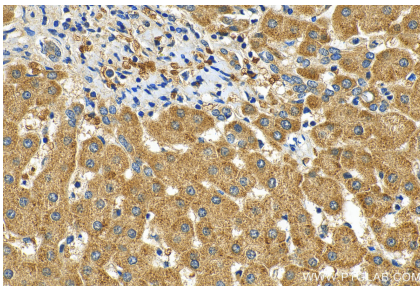
1x10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.25 ug N4BP3 Recombinant antibody (83178-2-RR, Clone:230547D12) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 83178-2-PBS in a different storage buffer formulation.



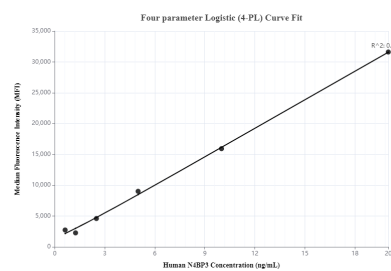
MCF-7 cells were subjected to SDS PAGE followed by western blot with 83178-2-RR (N4BP3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83178-2-PBS in a different storage buffer formulation.



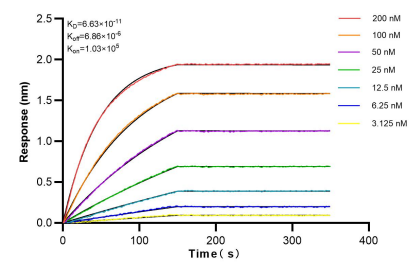
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 83178-2-RR (N4BP3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83178-2-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83178-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00260-3, N4BP3 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83178-4-PBS. Detection antibody: 83178-2-PBS. Standard: Ag10194. Range: 0.625-20 ng/mL.



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