

For Research Use Only

# RNF181 Recombinant antibody, PBS Only (Capture)

Catalog Number: 85735-2-PBS



## Basic Information

<b>Catalog Number:</b> 85735-2-PBS	<b>GenBank Accession Number:</b> BC002803	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 51255	<b>CloneNo.:</b> 243121B5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9P0P0	
<b>Isotype:</b> IgG	<b>Full Name:</b> ring finger protein 181	
<b>Immunogen Catalog Number:</b> AG14233	<b>Calculated MW:</b> 153 aa, 18 kDa	
	<b>Observed MW:</b> 20 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

85735-2-PBS targets RNF181 as part of a matched antibody pair:

MP02066-1: 85735-2-PBS capture and 85735-4-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.

## Background Information

RNF181, also named as HSPC238, is a 153 amino acid protein, which belongs to the RNF181 family. RNF181 is widely expressed, with highest levels in liver and heart and lowest levels in brain and skeletal muscle. RNF181 as a E3 ubiquitin-protein ligase, accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates.

## Storage

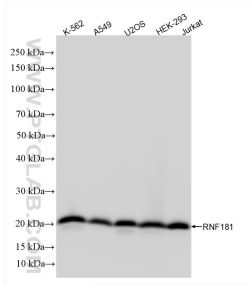
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

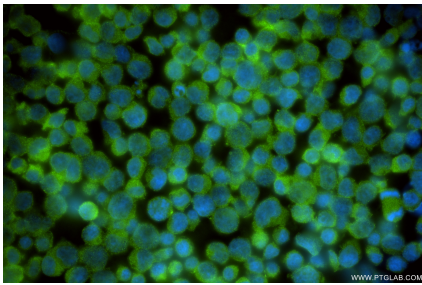
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

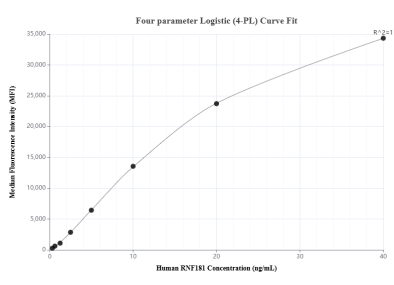
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85735-2-RR (RNF181 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85735-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using RNF181 antibody (85735-2-RR, Clone: 243121B5 ) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 85735-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP02066-1, RNF181 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85735-2-PBS. Detection antibody: 85735-4-PBS. Standard: Ag14233. Range: 0.313-40 ng/mL.