

For Research Use Only

# INPP4B Recombinant antibody

Catalog Number: 85151-4-RR



## Basic Information

<b>Catalog Number:</b> 85151-4-RR	<b>GenBank Accession Number:</b> BC005273	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 8821	<b>CloneNo.:</b> 242837H2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O15327	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> inositol polyphosphate-4-phosphatase, type II, 105kDa	
<b>Immunogen Catalog Number:</b> AG8676	<b>Calculated MW:</b> 53 aa, 6 kDa	
	<b>Observed MW:</b> 100-110 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> LNCaP cells, A549 cells, HeLa cells, MCF-7 cells <b>IF/ICC :</b> MCF-7 cells,

## Background Information

INPP4B (Inositol polyphosphate 4-phosphatase type II) can catalyze the hydrolysis of the 4-position phosphate of phosphatidylinositol 3,4-bisphosphate, inositol 1,3,4-trisphosphate and inositol 3,4-trisphosphate (PMID: 24070612; 24591580). It also Plays a role in the late stages of macropinocytosis by dephosphorylating phosphatidylinositol 3,4-bisphosphate in membrane ruffles (PMID: 24591580).

## 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:

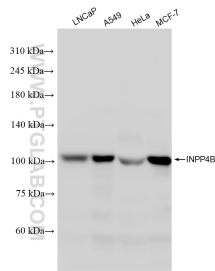
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

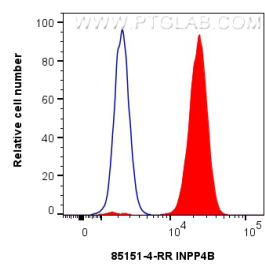
W: [ptgcn.com](http://ptgcn.com)

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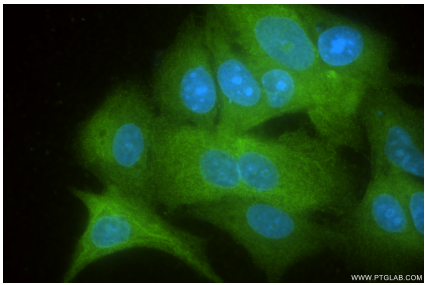
## Selected Validation Data



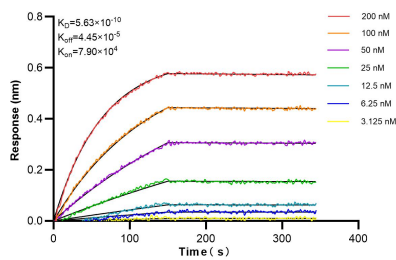
Various lysates were subjected to SDS PAGE followed by western blot with 85151-4-RR (INPP4B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10<sup>6</sup> K562 were intracellularly stained with 0.25 ug INPP4B Recombinant antibody (85151-4-RR, Clone:242837H2) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using INPP4B antibody (85151-4-RR, Clone: 242837H2 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 85151-4-RR against Human INPP4B were performed. The affinity constant is 0.563 nM.