

For Research Use Only

# INPP4B Recombinant antibody

Catalog Number: 85151-1-RR



## Basic Information

### Catalog Number:

85151-1-RR

### Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG8676

### GenBank Accession Number:

BC005273

### GeneID (NCBI):

8821

### UNIPROT ID:

O15327

### Full Name:

inositol polyphosphate-4-phosphatase, type II, 105kDa

### Calculated MW:

53 aa, 6 kDa

### Purification Method:

Protein A purification

### CloneNo.:

242837A4

### Recommended Dilutions:

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

IF/ICC, FC (Intra), ELISA

### Species Specificity:

human

### Positive Controls:

IF/ICC : T-47D 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

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

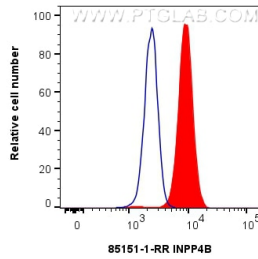
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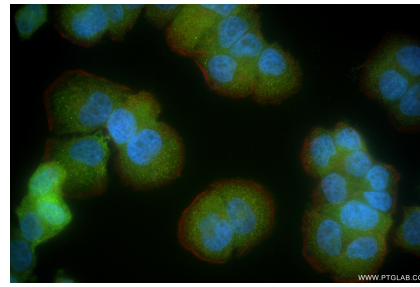
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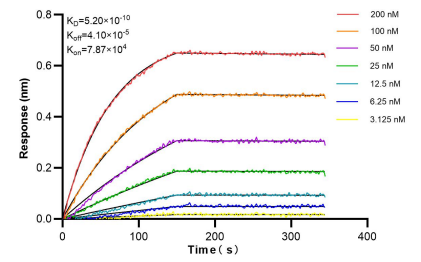
## Selected Validation Data



1x10<sup>6</sup> K562 were intracellularly stained with 0.25 ug INPP4B Recombinant antibody (85151-1-RR, Clone:242837A4) 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 (4% PFA) fixed T-47D cells using INPP4B antibody (85151-1-RR, Clone: 242837A4 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 85151-1-RR against Human INPP4B were performed. The affinity constant is 0.52 nM.