

For Research Use Only

INPP4B Recombinant antibody

Catalog Number: 85151-4-RR



Basic Information

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

Applications

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

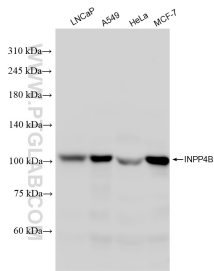
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

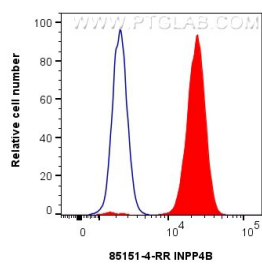
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

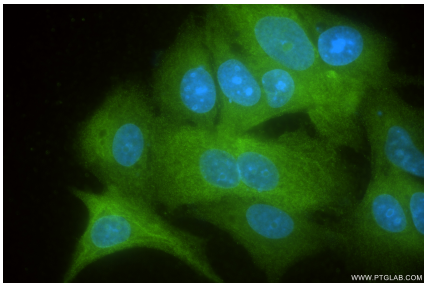
Selected Validation Data



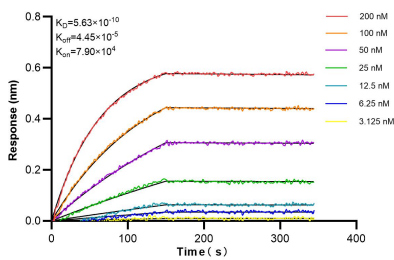
Various lysates were subjected to SDS PAGE followed by western blot with 85151-4-RR (INPP4B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10⁶ 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.