

## anti- INPP5D antibody

### Product Information

Catalog No.:	FNab04328
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

Phosphatidylinositol(PtdIns) phosphatase that specifically hydrolyzes the 5-phosphate of phosphatidylinositol-3,4,5-trisphosphate(PtdIns(3,4,5)P3) to produce PtdIns(3,4)P2, thereby negatively regulating the PI3K(phosphoinositide 3-kinase) pathways. Acts as a negative regulator of B-cell antigen receptor signaling. Mediates signaling from the FC-gamma-RIIB receptor(FCGR2B), playing a central role in terminating signal transduction from activating immune/hematopoietic cell receptor systems. Acts as a negative regulator of myeloid cell proliferation/survival and chemotaxis, mast cell degranulation, immune cells homeostasis, integrin alpha-IIb/beta-3 signaling in platelets and JNK signaling in B-cells. Regulates proliferation of osteoclast precursors, macrophage programming, phagocytosis and activation and is required for endotoxin tolerance. Involved in the control of cell-cell junctions, CD32a signaling in neutrophils and modulation of EGF-induced phospholipase C activity. Key regulator of neutrophil migration, by governing the formation of the leading edge and polarization required for chemotaxis. Modulates FCGR3/CD16-mediated cytotoxicity in NK cells. Mediates the activin/TGF-beta-induced apoptosis through its Smad-dependent expression. May also hydrolyze PtdIns(1,3,4,5)P4, and could thus affect the levels of the higher inositol polyphosphates like InsP6.

### Immunogen information

Immunogen: inositol polyphosphate-5-phosphatase, 145kDa

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### Wuhan Fine Biotech Co., Ltd.

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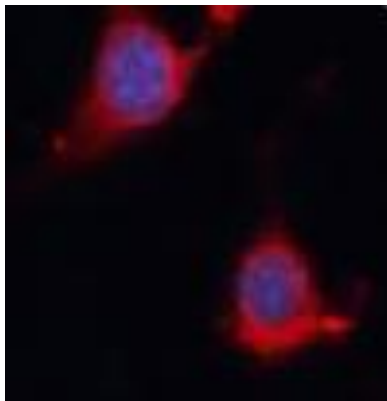
Tel : (0086)027-87384275

Fax: (0086)027-87800889 [www.fn-test.com](http://www.fn-test.com)

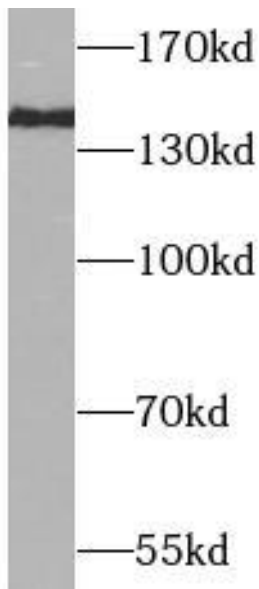
Synonyms: SHIP, SHIP1  
Observed MW: 145 kDa  
UniprotID : Q92835

### Application

Reactivity: Human, Mouse  
Tested Application: ELISA, WB, IF  
Recommended dilution: WB: 1:500 - 1:2000; IF: 1:20 - 1:200  
Image:



Immunofluorescence analysis of NIH/3T3 cells using FNab04328(INPP5D antibody) at dilution of 1:100. Blue: DAPI for nuclear staining



Jurkat cells were subjected to SDS PAGE followed by western blot with FNab04328(INPP5D antibody) at dilution of 1:1000

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