

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
Synonyms:	Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1 Inositol polyphosphate-5-phosphatase D Inositol polyphosphate-5-phosphatase of 145 kDa (SIP-145) Phosphatidylinositol 4,5-bisphosphate 5-

phosphatase|SH2 domain-containing inositol 5'-phosphatase 1 (SH2 domain-containing inositol phosphatase 1, SHIP-1)|p150Ship (hp51CN)|INPP5D|SHIP|SHIP1

Observed MW: 145 kDa

Uniprot ID : Q92835

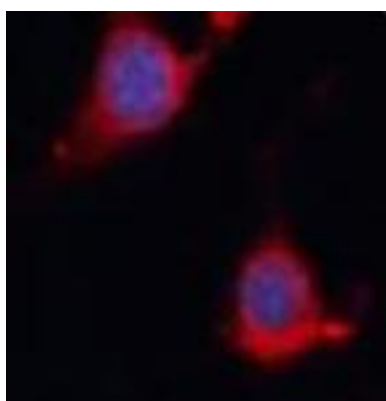
Application

Reactivity: Human, Mouse

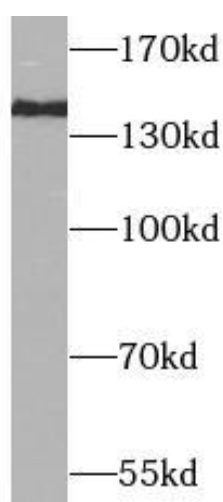
Tested Application: ELISA, WB, IF

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