INPP5D recombinant antibody

INPP5D Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA243808	**Rabbit**	**Human**	**Immunoprecipitation, Immunohistochemistry, Western Blot, ELISA**

PRODUCT SYNONYMS

INPP5D; Monoclonal Recombinant Antibody; INPP5D Antibody; Phosphatidylinositol 3;4;5-trisphosphate 5-phosphatase 1 (EC 3.1.3.86) (Inositol polyphosphate-5-phosphatase of 145 kDa) (SIP-145) (SH2 domain-containing inositol 5'-phosphatase 1) (SH2 domain-containing inositol phosphatase 1) (SHIP-1) (p150Ship) (hp51CN); SHIP SHIP1; INPP5D recombinant antibody

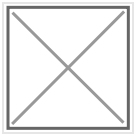
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	9G11
Purity/Purification	Affinity-chromatography
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, PH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Applicable Applications for INPP5D recombinant antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antibody Type	Recombinant Antibody
Conjugation	Non-conjugated
Immunogen	A synthesized peptide derived from human SHIP
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES

IP (Immunoprecipitation)
Immunoprecipitating SHIP in Raji whole cell lysateLane 1: Rabbit control IgG instead of in Raji whole cell lysate. For western blotting,a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)Lane 2: Raji whole cell lysate?500ug?Lane 3: Raji whole cell lysate (10ug

IHC (Immunohiostchemistry)
IHC image diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



WB (Western Blot)
Western BlotPositive WB detected in: Raji whole cell lysate, K562 whole cell lysateAll lanes: INPP5D antibody at 1:1500SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 134, 110 kDaObserved band size: 145 kDa

ADDITIONAL INFORMATION

Related Product Information for INPP5D recombinant antibody	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.
Product Categories/Family for INPP5D recombinant antibody	Immunology; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	64085167
NCBI GeneID	3635
NCBI Accession #	NP_001017915.1
NCBI GenBank Nucleotide #	NM_001017915.1
UniProt Accession #	Q92835; O00145; Q13544; Q13545; Q6P5A4; Q92656; Q9UE80
Molecular Weight	133,292 Da
NCBI Official Full Name	phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1 isoform a
NCBI Official Synonym Full Names	inositol polyphosphate-5-phosphatase, 145kDa
NCBI Official Symbol	INPP5D
NCBI Official Synonym Symbols	SHIP; SHIP1; SHIP-1; hp51CN; SIP-145
NCBI Protein Information	phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1; p150Ship; SH2 domain-containing inositol phosphatase 1; SH2 containing inositol phosphatase, isoform b; SH2 domain-containing inositol 5'-phosphatase 1; SH2 domain-containing inositol-5'-phosphatas
UniProt Protein Name	Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1
UniProt Gene Name	**INPP5D**
UniProt Synonym Gene Names	SHIP; SHIP1; SIP-145; SH2 domain-containing inositol phosphatase 1; SHIP-1; hp51CN
UniProt Entry Name	SHIP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.