

Rabbit SHIP-1 Polyclonal Antibody | anti-SHIP-1 antibody

SHIP-1 (phospho Tyr1021) Polyclonal Antibody

CATALOG # AAA293957	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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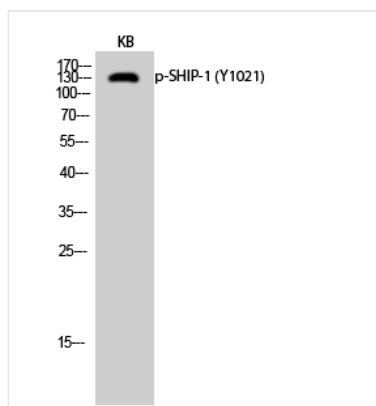
PRODUCT SYNONYMS

SHIP-1; Polyclonal Antibody; SHIP-1 (phospho Tyr1021) Polyclonal Antibody; INPP5D; SHIP; SHIP1; Phosphatidylinositol 3; 4; 5-trisphosphate 5-phosphatase 1; Inositol polyphosphate-5-phosphatase of 145 kDa; SIP-145; SH2 domain-containing inositol 5'-phosphatase 1; SH2 domain-containing inositol phosphatase 1; anti-SHIP-1 antibody

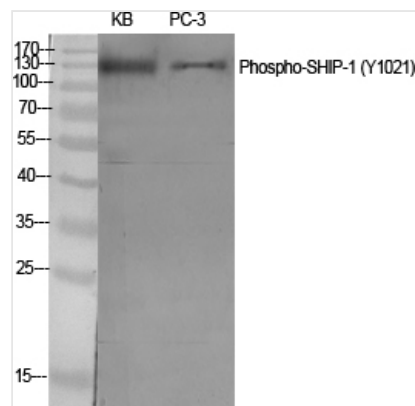
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Applicable Applications for anti-SHIP-1 antibody	WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.


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ADDITIONAL INFORMATION

Related Product Information for anti-SHIP-1 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.
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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.