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Immunotag™ Phospho-SHIP1 (Tyr1020) Antibody

Antibody Specification

Catalog No.	ITA0731
Product Description	Immunotag™ Phospho-SHIP1 (Tyr1020) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-SHIP1 (Tyr1020)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC
Recommended Dilution	WB 1:500-1:2000, IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human SHIP1 around the phosphorylation site of Tyr1020.
Specificity	Phospho-SHIP1 (Tyr1020) Antibody detects endogenous levels of SHIP1.
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	INPP5D
Accession No.	Q92835

Antibody Specification

Alternate Names	Inositol polyphosphate 5 phosphatase of 145kDa; 4; 5-trisphosphate 5-phosphatase 1; hp51CN; Inositol polyphosphate 5 phosphatase 145kDa; Inositol polyphosphate 5 phosphatase; Inositol polyphosphate-5-phosphatase of 145 kDa; INPP5D; MGC104855; MGC142140; MGC142142; p150Ship; Phosphatidylinositol 3,4,5 trisphosphate 5 phosphatase 1; Phosphatidylinositol-3; SH2 containing inositol phosphatase isoform b; SH2 domain containing inositol 5' phosphatase 1; SH2 domain containing inositol phosphatase 1; SH2 domain-containing inositol phosphatase 1; SH2 domain-containing inositol-5''-phosphatase 1; SHIP-1; SHIP1; SHIP1_HUMAN; Signaling inositol polyphosphate 5 phosphatase SIP 145; SIP-145; SIP145;
Description	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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	145kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.