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Datasheet for ABIN878655

anti-INPP5D antibody (pTyr1020) (AbBy Fluor® 350)

Overview

Quantity:	100 µL
Target:	INPP5D
Binding Specificity:	pTyr1020
Reactivity:	Human, Mouse, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This INPP5D antibody is conjugated to AbBy Fluor® 350
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human SHIP1 around the phosphorylation site of Tyr1020
Isotype:	IgG
Cross-Reactivity:	Human, Monkey, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Pig
Purification:	Purified by Protein A.

Target Details

Target:	INPP5D
Alternative Name:	SHIP1 (INPP5D Products)

Target Details

Background: Synonyms: P-SHIP1 Tyr1020, Inositol polyphosphate 5 phosphatase of 145 kDa, 4, 5-trisphosphate 5-phosphatase 1, hp51CN, hSHIP, Inositol polyphosphate 5 phosphatase 145 kDa, Inositol polyphosphate 5 phosphatase, Inositol polyphosphate 5 phosphatase D, Inositol polyphosphate-5-phosphatase of 145 kDa, INPP 5D, INPP5D, INPP5D protein, MGC104855, MGC142140, MGC142142, p150 ship, p150Ship, Phosphatidylinositol 3,4,5 trisphosphate 5 phosphatase 1, Phosphatidylinositol-3, SH2 containing inositol 5 phosphatase, 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, SHIP-1, SHIP1, SHIP1_RAT, Signaling inositol polyphosphate 5 phosphatase SIP 145, Signaling inositol polyphosphate 5 phosphatase SIP145, SIP 145, SIP-145, SIP145.

Background: SHIP1 is a member of the inositol polyphosphate-5-phosphatase (INPP5) family and contains an N-terminal SH2 domain, an inositol phosphatase domain, and two C-terminal protein interaction domains. Expression of this protein is restricted to hematopoietic cells where its movement from the cytosol to the plasma membrane is mediated by tyrosine phosphorylation in response to multiple cytokine and B and T cell receptor activation. At the plasma membrane, the protein hydrolyzes the 5' phosphate from phosphatidylinositol (3,4,5)-trisphosphate and inositol-1,3,4,5-tetrakisphosphate, thereby affecting multiple signaling pathways. Overall the protein functions as a negative regulator of myeloid cell proliferation and survival.

Gene ID: 3635

Pathways: [TCR Signaling](#), [BCR Signaling](#), [Warburg Effect](#)

Application Details

Application Notes: FCM 1:20-100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months