Datasheet for ABIN7267882

anti-INPP5D antibody

5 Images

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Overview

Quantity:	100 µL
Target:	INPP5D
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This INPP5D antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	SHIP1 Rabbit mAb
Immunogen:	A synthesized peptide derived from human SHIP11
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	INPP5D
Alternative Name:	INPP5D (INPP5D Products)
Background:	This gene is a member of the inositol polyphosphate-5-phosphatase (INPP5) family and

Target Details

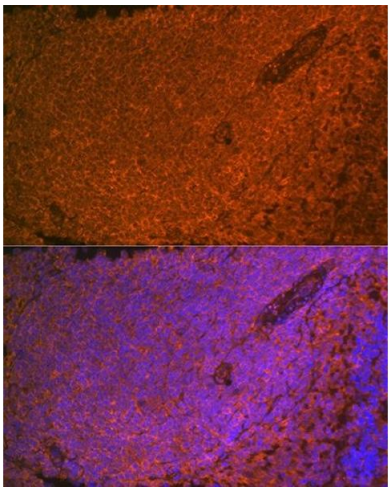
	encodes a protein with an N-terminal SH2 domain, an inositol phosphatase domain, and two C-terminal protein interaction domains. Expression of this protein is restricted to hematopoietic cells where its movement from the cytosol to the plasma membrane is mediated by tyrosine phosphorylation. At the plasma 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. The protein is also partly localized to the nucleus, where it may be involved in nuclear inositol phosphate signaling processes. Overall, the protein functions as a negative regulator of myeloid cell proliferation and survival. Mutations in this gene are associated with defects and cancers of the immune system. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Feb 2014],SHIP, SHIP-1, SHIP1, SIP-145, hp51CN, p150Ship,Apoptosis,B Cell Receptor Signaling Pathway,Cell Biology & Developmental Biology,Endocrine & Metabolism,Epigenetics & Nuclear Signaling,Immunology & Inflammation,Insulin Receptor Signaling Pathway,Lipid Metabolism,Protein phosphorylation,Signal Transduction,INPP5D
Molecular Weight:	140kDa
Gene ID:	3635
UniProt:	Q92835
Pathways:	TCR Signaling, BCR Signaling, Warburg Effect

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

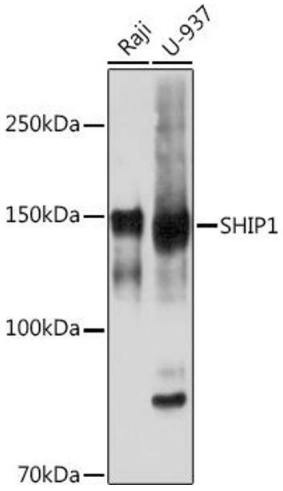
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



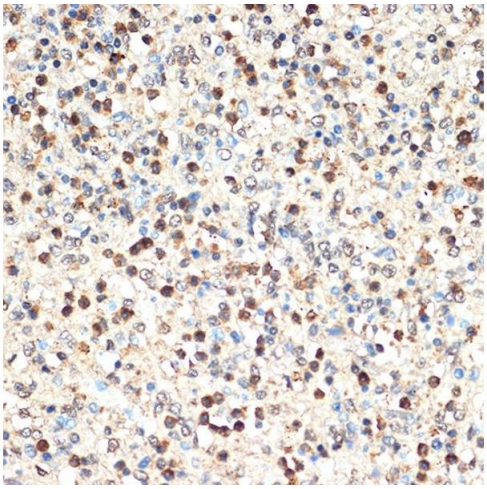
Immunofluorescence

Image 1. Immunofluorescence analysis of rat spleen using SHIP11 Rabbit mAb (ABIN7267882) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using SHIP11 Rabbit mAb (ABIN7267882) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human spleen using SHIP11 Rabbit mAb (ABIN7267882) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please check the product details page for more images. Overall 5 images are available for ABIN7267882.