Datasheet for ABIN6213625

anti-INPP5D antibody (AA 959-1188)

5 Images

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Overview

Quantity:	100 µL
Target:	INPP5D
Binding Specificity:	AA 959-1188
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This INPP5D antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 959-1188 of human SHIP1 (NP_005532.2).
Sequence:	SPPTPPGQPP ISPKKFLPST ANRGLPPRTQ ESRPSDLGKN AGDTLPQEDL PLTKPEMFEN PLYGSLSSFP KPAPRKDQES PKMPRKEPPP CPEPGILSPS IVLTKAQEAD RGEGPGKQVP APRLRSFTCS SSAEGRAAGG DKSQGKPKTP VSSQAPVPAK RPIKPSRSEI NQQTPPTPTP RPPLPVKSPA VLHLQHSKGR DYRDNTELPH HGKHRPEEGP PGPLGRTAMQ
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal 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 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.,INPP5D,SHIP,SHIP-1,SHIP1,SIP-145,hp51CN,p150Ship,Epigenetics & Nuclear Signaling,Signal Transduction,Cell Biology & Developmental Biology,Apoptosis,Endocrine & Metabolism,Lipid Metabolism,Insulin Receptor Signaling Pathway,Immunology & Inflammation,B Cell Receptor Signaling Pathway,INPP5D
Molecular Weight:	109 kDa/133 kDa
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

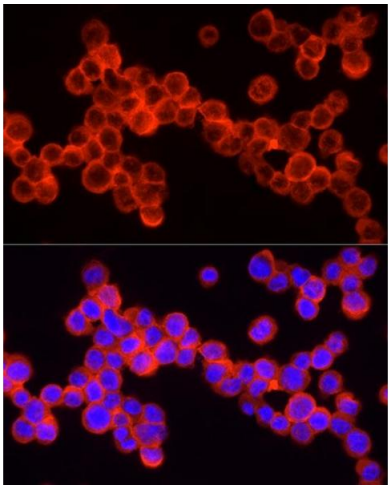
Handling

Buffer:	PBS with 0.02 % sodium azide,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

Handling

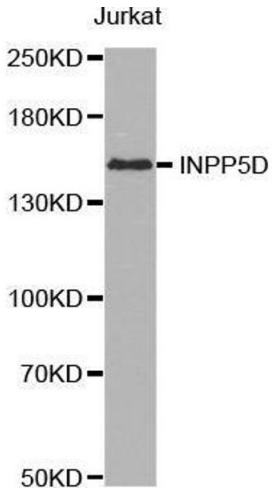
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



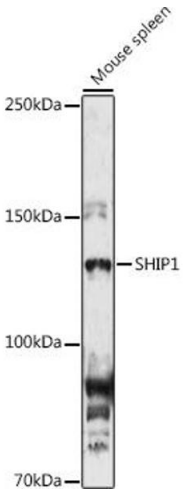
Immunofluorescence

Image 1. Immunofluorescence analysis of THP-1 cells using SHIP1 Rabbit pAb (ABIN3015068, ABIN3015069, ABIN6213623 and ABIN6213625) at dilution of 1:250 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of Jurkat cell line, using INPP5D antibody.



Western Blotting

Image 3. Western blot analysis of extracts of Mouse spleen, using SHIP1 antibody (ABIN3015068, ABIN3015069, ABIN6213623 and ABIN6213625) 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 Enhanced Kit (RM00021).Exposure time: 180s.

Please check the product details page for more images. Overall 5 images are available for ABIN6213625.