

SHIP-1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP08295
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human SHIP1. AA range:1140-1189
Mol wt	133193
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	SHIP-1 Antibody
Synonyms	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-co

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

INPP5D is a member of the inositol polyphosphate-5-phosphatase (INPP5) family and encodes inositol polyphosphate-5-phosphatase D with an N-terminal SH2 domain, an inositol phosphatase domain, and two C-terminal protein interaction domains. Expression of inositol polyphosphate-5-phosphatase D 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. Inositol polyphosphate-5-phosphatase D 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 INPP5D are associated with defects and cancers of the immune system. Alternative splicing of this gene results in multiple transcript variants.

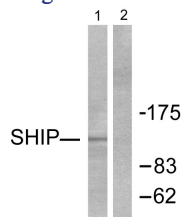
Recommended Dilution

WB: 1: 500 - 1: 2000

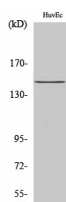
ELISA: 1: 40000

Not yet tested in other applications.

Images



Western blot analysis of lysates from HUVEC cells, using SHIP1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using SHIP-1 Polyclonal Antibody

Storage

-20°C for one year

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