



Rabbit Anti-Human SHIP1 monoclonal antibody, clone K.682.6 (CABT-L1415)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	INPP5D
Immunogen	Synthetic peptide corresponding to residues surrounding Pro1135 of human SHIP1
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	K.682.6
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	FC, IP, WB
Format	Liquid
Buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative	See individual product datasheet
Storage	-20°C

BACKGROUND

Introduction	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-
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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. Overall, the protein functions as a negative regulator of myeloid cell proliferation and survival. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Keywords	INPP5D;inositol polyphosphate-5-phosphatase, 145kDa;SHIP;SHIP1;SHIP-1;hp51CN;SIP-145;p150Ship;phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1;inositol polyphosphate-5-phosphatase, 145kD
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GENE INFORMATION

Entrez Gene ID	3635
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UniProt ID	Q92835
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