

# Anti-SHIP1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

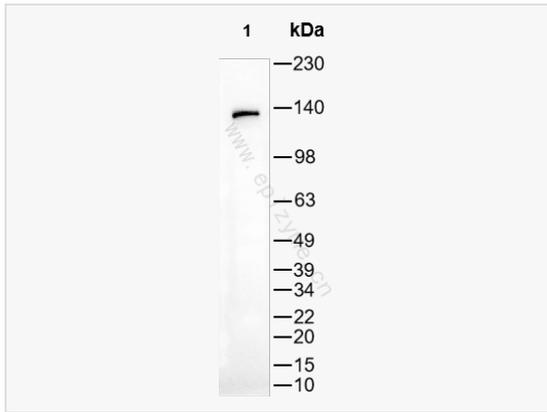
Catalog # R016055

## Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	32T54E87
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human SHIP-1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-SHIP1 Rabbit mAb [32T54E87] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	SHIP; SHIP-1; SHIP1; SIP-145; hp51CN; p150Ship; s-SHIP; SHIP1_HUMAN; INPP5D; Inositol polyphosphate-5-phosphatase D; Inositol polyphosphate-5-phosphatase of 145 kDa (SIP-145); Phosphatidylinositol 4,5-bisphosphate 5-phosphatase; SH2 domain-containing inositol 5'-phosphatase 1 (SH2 domain-containing inositol phosphatase 1   SHIP-1); p150Ship (hp51CN); 3.1.3.86; SHIP1_MOUSE; Phosphatidylinositol-4,5-bisphosphate 5-phosphatase; 7a33.
Calculated MW	Calculated MW: 133 kDa; Observed MW: 133 kDa
Uniprot ID	Q92835
Gene ID	3635
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. [provided by RefSeq, Feb 2014]
Cellular Location	Cytoplasm Cell membrane Peripheral membrane protein Membrane raft Cytoplasm Cytoskeleton Membrane Peripheral membrane protein Translocates to the plasma membrane when activated. translocation is probably due to different mechanisms



Western Blot - Anti-SHIP1 Rabbit mAb [32T54E87]

All lanes: R016055 at 1:1,000 dilution

Lane 1: THP-1 (Human monocytic leukemia cell) whole cell lysates

Lysates/proteins at 10  $\mu$ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 133 kDa

Observed band size: 133 kDa

Developed using the ECL technique (Cat. No. SQ201).