



# SHIP-1 rabbit pAb

Cat No.:ES5906

For research use only

## Overview

|                                 |   |
|---------------------------------|---|
| <b>Product Name</b>             | SHIP-1 rabbit pAb   |
| <b>Host species</b>             | Rabbit  |
| <b>Applications</b>             | WB;ELISA;IHC  |
| <b>Species Cross-Reactivity</b> | Human;Mouse;Rat   |
| <b>Recommended dilutions</b>    | WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000  |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human SHIP1. AA range:987-1036  |
| <b>Specificity</b>              | SHIP-1 Polyclonal Antibody detects endogenous levels of SHIP-1 protein.   |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.   |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.  |
| <b>Protein Name</b>             | Phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1  |
| <b>Gene Name</b>                | INPP5D  |
| <b>Cellular localization</b>    | 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 dependin |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   |
| <b>Clonality</b>                | Polyclonal  |
| <b>Concentration</b>            | 1 mg/ml   |
| <b>Observed band</b>            | 133kD   |
| <b>Human Gene ID</b>            | 3635  |
| <b>Human Swiss-Prot Number</b>  | Q92835  |
| <b>Alternative Names</b>        | INPP5D; SHIP; SHIP1; Phosphatidylinositol 3; 4,5-trisphosphate 5-phosphatase 1; Inositol polyphosphate-5-phosphatase of 145 kDa; SIP-145;   |

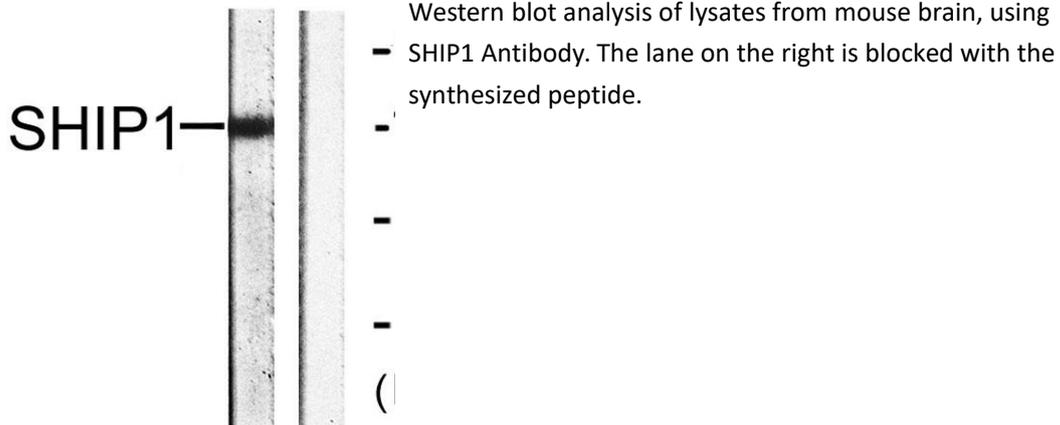




## Background

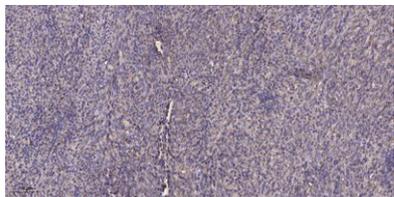
SH2 domain-containing inositol 5'-phosphatase 1;  
SH2 domain-containing inositol phosphatase 1;  
SHIP-1;

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. A





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Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



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