

SHIP Rabbit mAb

Catalog No: #48725



Package Size: #48725-1 50ul #48725-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

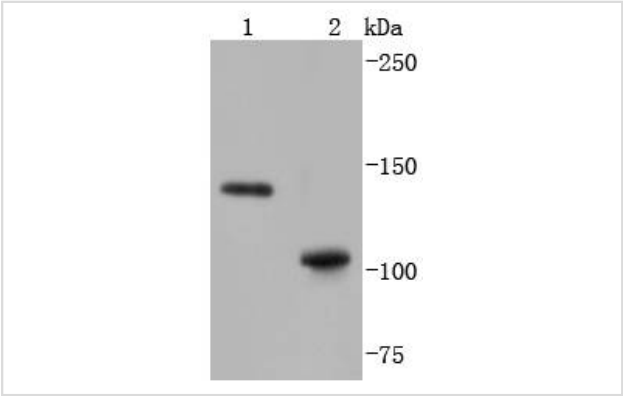
Description

Product Name	SHIP Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SY11-08
Purification	ProA affinity purified
Applications	WB, IHC, IP, FC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	Inositol polyphosphate 5 phosphatase of 145kDa antibody 4 antibody 5-trisphosphate 5-phosphatase 1 antibody hp51CN antibody Inositol polyphosphate 5 phosphatase 145kDa antibody Inositol polyphosphate 5 phosphatase antibody Inositol polyphosphate-5-phosphatase of 145 kDa antibody INPP5D antibody MGC104855 antibody MGC142140 antibody MGC142142 antibody p150Ship antibody Phosphatidylinositol 3,4,5 trisphosphate 5 phosphatase 1 antibody Phosphatidylinositol-3 antibody SH2 containing inositol phosphatase isoform b antibody SH2 domain containing inositol 5' phosphatase 1 antibody SH2 domain containing inositol phosphatase 1 antibody SH2 domain-containing inositol phosphatase 1 antibody SH2 domain-containing inositol-5"-phosphatase 1 antibody SHIP-1 antibody SHIP1 antibody SHIP1_HUMAN antibody Signaling inositol polyphosphate 5 phosphatase SIP 145 antibody SIP-145 antibody SIP145 antibody
Accession No.	Swiss-Prot#:Q92835
Calculated MW	133/109 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

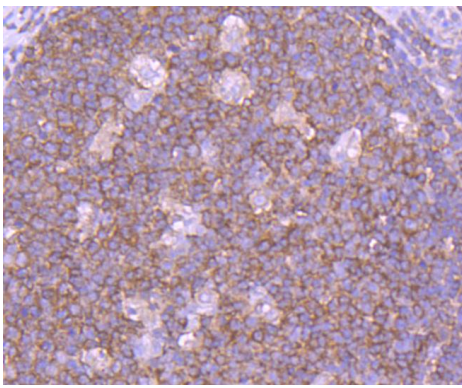
Application Details

WB: 1:1,000IHC: 1:50-1:200FC: 1:50-1:100

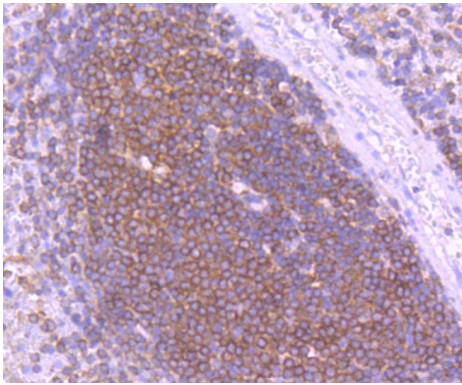
Images



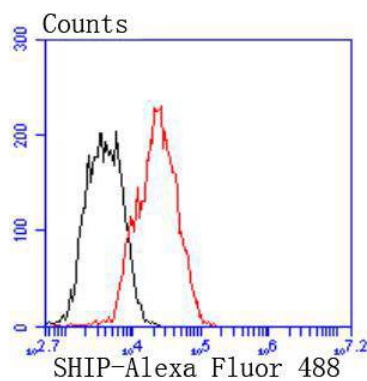
Western blot analysis of SHIP on different lysates using anti-SHIP antibody at 1/1,000 dilution. Positive control: Lane 1: Daudi Lane 2: THP-1



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-SHIP antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-SHIP antibody. Counter stained with hematoxylin.



Flow cytometric analysis of Raji cells with SHIP antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody

Background

The major translational product of the v-Fms oncogene, originally isolated from the McDonough strain of feline sarcoma virus, has been identified as a glycoprotein with intrinsic tyrosine kinase activity. The v-Fms human cellular homolog, c-Fms, has been molecularly cloned and mapped to band q34 on chromosome 5, and identified as the receptor for hematopoietic ligand, CSF-1. Ligand-induced activation of the intrinsic CSF-1R protein tyrosine kinase triggers its interaction with cytoplasmic effector molecules. One such effector molecule, SHIP-1 p145 (SH2-containing-inositol phosphatase), associates with activated Fms. SHIP-1 contains two phosphotyrosine-binding domains (PTB), a unique amino terminal SH2 domain, a proline-rich region, and two highly conserved motifs found among inositol phosphate 5-phosphatases. SHIP-1 displays both phosphatidylinositol 3,4,5-triphosphate and inositol 1,3,4,5-tetrakisphosphate polyphosphate 5-phosphatase activity. Evidence suggests that SHIP-1 may modulate Ras signaling in addition to inositol signaling pathways.

References

1. Honda F et al. The kinase Btk negatively regulates the production of reactive oxygen species and stimulation-induced apoptosis in human neutrophils. *Nat Immunol* 13:369-78 (2012).
2. McNulty S et al. The host phosphoinositide 5-phosphatase SHIP2 regulates dissemination of vaccinia virus. *J Virol* 85:7402-10 (2011).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.