

Anti-SHIP Antibody, Polyclonal

Antibodies

Rabbit polyclonal antibody against mouse SHIP, unconjugated

Catalog #60141

200 µg 1 mg/mL



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Product Description

SH2-containing inositol phosphatase (SHIP) is a 145 kDa hematopoietic-restricted protein that becomes tyrosine-phosphorylated and associated with the adaptor protein, Shc, following cytokine, growth factor, chemokine, and immunoreceptor stimulation. SHIP also hydrolyzes the critical phosphatidylinositol (PI)-3-kinase (PI3K)-generated second messenger, PI-3,4,5-P3 (PIP3), to PI-3,4-P2 1,2 and therefore acts as an important negative regulator of the PI3K pathway. This antibody reacts with mouse full-length SHIP protein, 145 kDa, as well as the C-terminal truncated 135, 125, and 110 kDa forms.

Target Antigen Name:	SHIP
Alternative Names:	p150Ship; phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1; SHIP-1; SHIP1; SIP-145; s-SHIP
Gene ID:	16331
Species Reactivity:	Mouse
Host Species:	Rabbit
Clonality:	Polyclonal
Clone:	Not applicable
Isotype:	Not applicable
Immunogen:	Fusion protein comprising residues 7 - 133 of mouse SHIP fused to glutathione S-transferase
Conjugate:	Unconjugated

Applications

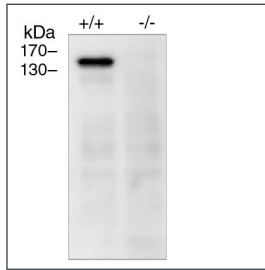
Verified:	WB
Reported:	IP, WB

Abbreviations: CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FACS: Fluorescence-activated cell sorting; FC: Flow cytometry; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IP: Immunoprecipitation; RIA: Radioimmunoassay; WB: Western blotting

Properties

Formulation:	Tris-glycine, pH 7.0, containing 0.05% sodium azide
Purification:	The antibody was purified by Protein A chromatography.
Stability and Storage:	Product stable at -20°C when stored undiluted. For product expiry date, please contact techsupport@stemcell.com .
Directions for Use:	The suggested use of this antibody is: IP, 2 µL in 500 µL of cell lysate from 2.5 x 10 ⁷ hematopoietic cells; WB, 1:4000 dilution. It is recommended that the antibody be titrated for optimal performance for each application.

Data



Western blot analysis of mouse bone marrow-derived mast cells (BMMCs) from normal (+/+) and SHIP knockout (-/-) mice with Anti-SHIP Antibody, Polyclonal (1:4000 dilution). SHIP has a predicted molecular mass of 145 kDa.

Related Products

For a complete list of antibodies, including other conjugates, sizes and clones, as well as related products available from STEMCELL Technologies, please visit our website at www.stemcell.com/antibodies or contact us at techsupport@stemcell.com.

References

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