Product Description

SHIP (C-terminus) is critical for the function of SHIP protein. 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 and human full-length 145 kDa SHIP protein.

Target Antigen Name: SHIP
Alternative Names: p150Ship; phosphatidylinositol 3,4,5-trisphosphate 5-phosphatase 1; SHIP-1; SHIP1; SIP-145; s-SHIP
Gene ID: 3635 (human), 16331 (mouse)
Species Reactivity: Human, Mouse
Host Species: Rabbit
Clonality: Polyclonal
Clone: Not applicable
Isotype: Not applicable
Immunogen: 22-Amino acid peptide corresponding to the C-terminus of human SHIP
Conjugate: Unconjugated

Applications

Verified: WB
Reported: WB

Properties

Formulation: Phosphate-buffered solution, pH 7.4, containing 0.01% bovine serum albumin, 0.05% sodium azide, and 50% glycerol
Purification: The antibody was purified by affinity chromatography.
Stability and Storage: Product stable at -20°C when stored undiluted. For product expiry date, please contact techsupport@stemcell.com.
Directions for Use: For western blot analysis the suggested use of this antibody is a 1:1000 dilution. It is recommended that the antibody be titrated for optimal performance for each application.
**Data**

Western blot analysis of total cell lysates from human TF-1 cells (lane 1), mouse WEHI-231 cells (lane 2) and mouse bone marrow-derived mast cells (BMMCs; lane 3) with Anti-SHIP (C-Terminus) Antibody, Polyclonal (1:1000 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**


Please refer to the Safety Data Sheet (SDS) for hazard information.