**Antibodies**

**Product Description**

SHIP2 is a 145 kDa SHIP-related protein expressed in both hematopoietic and nonhematopoietic cells. Like SH2-containing inositol phosphatase (SHIP), SHIP2 becomes tyrosine phosphorylated and associated with the adaptor protein, Shc, following cytokine, growth factor, chemokine, and immunoreceptor stimulation. SHIP2 also hydrolyzes the critical phosphatidylinositol (PI)-3-kinase (PI3K)-generated second messenger, Pi-3,4,5-P3 (PIP3), to Pi-3,4-P2, and therefore acts as an important negative regulator of the PI3K pathway. This antibody reacts with mouse and human full-length 145 kDa SHIP2 protein.

**Target Antigen Name:** SHIP2  
**Alternative Names:** Inositol polyphosphate phosphatase like 1, INPPL1, OPSMD  
**Gene ID:** 3636 (human), 16332 (mouse)  
**Species Reactivity:** Human, Mouse  
**Host Species:** Rabbit  
**Clonality:** Polyclonal  
**Isotype:** Not applicable  
**Immunogen:** 18-amino acid peptide corresponding to the C-terminus of human SHIP2  
**Conjugate:** Unconjugated

**Applications**

<table>
<thead>
<tr>
<th>Verified</th>
<th>WB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported</td>
<td>IP, WB</td>
</tr>
</tbody>
</table>

**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:** 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:** The suggested use of this antibody is: IP, 4 µL in 500 µL of cell lysate from 1 x 10^6 cells; WB, 1:1000 dilution. It is recommended that the antibody be titrated for optimal performance for each application.
Western blot analysis of total cell lysates (TCL) from human TF-1 cells, mouse WEHI-231 B cells, and mouse bone marrow-derived mast cells (BMMCs) of SHIP +/+ and SHIP -/- mice with Anti-SHIP2 Antibody, Polyclonal (1:1000 dilution). The last two lanes represent anti-SHIP2 immunoprecipitates (IP) of 1 x 10^7 TF-1 cells and WEHI-231 B cells, respectively. SHIP2 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.

Copyright © 2018 by STEMCELL Technologies Inc. All rights reserved including graphics and images. STEMCELL Technologies & Design, STEMCELL Shield Design, and Scientists Helping Scientists are trademarks of STEMCELL Technologies Canada Inc. All other trademarks are the property of their respective holders. While STEMCELL has made all reasonable efforts to ensure that the information provided by STEMCELL and its suppliers is correct, it makes no warranties or representations as to the accuracy or completeness of such information.