


## Product datasheet

# Anti-SHP1 antibody ab60268

[1 References](#) [1 Image](#)

### Overview

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<b>Product name</b>	Anti-SHP1 antibody
<b>Description</b>	Goat polyclonal to SHP1
<b>Host species</b>	Goat
<b>Specificity</b>	This antibody is expected to recognise both reported isoforms (NP_536858.1 and NP_002822.2). Please note this antibody was designed using the mouse sequence, which differs by 1 amino acid from the human sequence.
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide: C-KASRTSSKHKEE , corresponding to internal sequence amino acids 551-562 of Mouse SHP1 <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	Human Liver and Bone Marrow lysates.

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% Tris buffered saline, 0.5% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab60268** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration. PubMed: 21070852
WB		Use a concentration of 0.1 - 0.3 µg/ml. Detects a band of approximately 68 kDa (predicted molecular weight: 68 kDa).

## Target

<b>Function</b>	Plays a key role in hematopoiesis. This PTPase activity may directly link growth factor receptors and other signaling proteins through protein-tyrosine phosphorylation. The SH2 regions may interact with other cellular components to modulate its own phosphatase activity against interacting substrates. Together with MTUS1, induces UBE2V2 expression upon angiotensin II stimulation.
<b>Tissue specificity</b>	Isoform 1 is expressed in hematopoietic cells. Isoform 2 is expressed in non-hematopoietic cells.
<b>Sequence similarities</b>	Belongs to the protein-tyrosine phosphatase family. Non-receptor class 2 subfamily. Contains 2 SH2 domains. Contains 1 tyrosine-protein phosphatase domain.
<b>Post-translational modifications</b>	Phosphorylated on serine and tyrosine residues.
<b>Cellular localization</b>	Cytoplasm. Nucleus. In neurons, translocates into the nucleus after treatment with angiotensin II.

## Images



Anti-SHP1 antibody (ab60268) at 0.1 µg/ml +  
Human Liver lysate (35µg protein in RIPA  
buffer)

**Predicted band size:** 68 kDa

**Observed band size:** 68 kDa

Primary incubation was 1 hour. Detected by  
chemiluminescence.

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