

SHP1 Antibody
Rabbit mAb
Catalog # AP90400

Specification

SHP1 Antibody - Product Information

Application	WB, IHC
Primary Accession	P29350
Reactivity	Rat
Clonality	Monoclonal
Other Names	
70Z-SHP; EC 3.1.3.48; HCP; HCPH; PTN6; PTP-1C; PTP1C; PTPN6; SH-PTP1; SHP1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	67561 Da

SHP1 Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human SHP1
Description	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

SHP1 Antibody - Protein Information

Name PTPN6

Synonyms HCP, PTP1C

Function

Modulates signaling by tyrosine phosphorylated cell surface receptors such as KIT and the EGF receptor/EGFR. 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. Plays a key role in hematopoiesis.

Cellular Location

Cytoplasm. Nucleus. Note=In neurons, translocates into the nucleus after treatment with

angiotensin II (By similarity) Shuttles between the cytoplasm and nucleus via its association with PDPK1.

Tissue Location

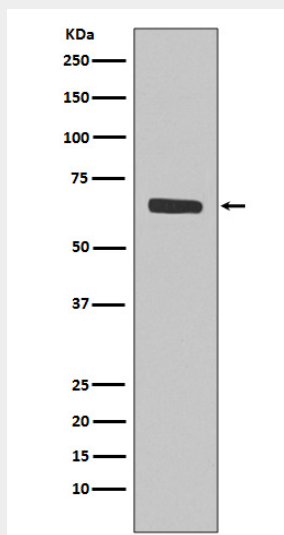
Isoform 1 is expressed in hematopoietic cells. Isoform 2 is expressed in non-hematopoietic cells

SHP1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SHP1 Antibody - Images



Western blot analysis of SHP1 expression in Jurkat cell lysate.