

Anti-SHPTP1 Antibody
Rabbit polyclonal antibody to SHPTP1
Catalog # AP60501**Specification**

Anti-SHPTP1 Antibody - Product Information

Application	WB, IH
Primary Accession	P29350
Other Accession	P29351
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67561

Anti-SHPTP1 Antibody - Additional Information**Gene ID** 5777**Other Names**

HCP; PTP1C; Tyrosine-protein phosphatase non-receptor type 6; Hematopoietic cell protein-tyrosine phosphatase; Protein-tyrosine phosphatase 1C; PTP-1C; Protein-tyrosine phosphatase SHP-1; SH-PTP1

Target/Specificity

Recognizes endogenous levels of SHPTP1 protein.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

IH~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-SHPTP1 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.

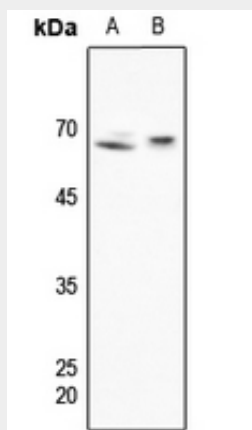
Tissue Location

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

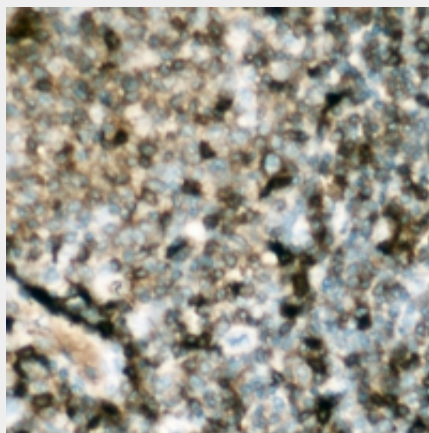
Anti-SHPTP1 Antibody - Protocols

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](#)

Anti-SHPTP1 Antibody - Images

Western blot analysis of SHPTP1 expression in mouse spleen (A), rat spleen (B) whole cell lysates.



Immunohistochemical analysis of SHPTP1 staining in human lymph node formalin fixed paraffin

embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-SHPTP1 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human SHPTP1. The exact sequence is proprietary.