

PTPN6 / SHP1 Antibody
Mouse Monoclonal Antibody
Catalog # ALS14447**Specification**

PTPN6 / SHP1 Antibody - Product Information

Application	WB, IHC
Primary Accession	P29350
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	68kDa KDa

PTPN6 / SHP1 Antibody - Additional Information**Gene ID** 5777**Other Names**

Tyrosine-protein phosphatase non-receptor type 6, 3.1.3.48, Hematopoietic cell protein-tyrosine phosphatase, Protein-tyrosine phosphatase 1C, PTP-1C, Protein-tyrosine phosphatase SHP-1, SH-PTP1, PTPN6, HCP, PTP1C

Reconstitution & Storage

Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

Precautions

PTPN6 / SHP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PTPN6 / 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

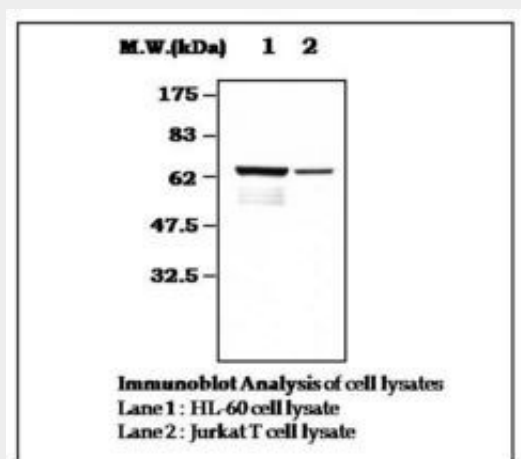
Volume
50 µl

PTPN6 / SHP1 Antibody - Protocols

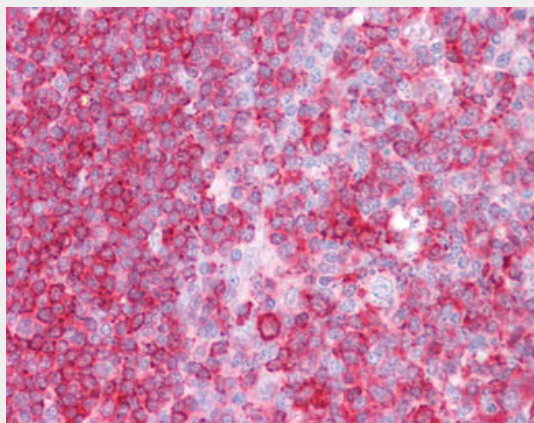
Provided below are standard protocols that you may find useful for product applications.

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

PTPN6 / SHP1 Antibody - Images



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Anti-PTPN6 antibody IHC of human tonsil.

PTPN6 / SHP1 Antibody - Background

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phosphatase activity against interacting substrates. Together with MTUS1, induces UBE2V2 expression upon angiotensin II stimulation. Plays a key role in hematopoiesis.

PTPN6 / SHP1 Antibody - References

Yi T.,et al.Mol. Cell. Biol. 12:836-846(1992).
Shen S.H.,et al.Nature 352:736-739(1991).
Shen S.H.,et al.Nature 353:868-868(1991).
Plutzky J.,et al.Proc. Natl. Acad. Sci. U.S.A. 89:1123-1127(1992).
Banville D.,et al.Genomics 27:165-173(1995).