

PTPN6 / SHP1 Antibody (Internal) Goat Polyclonal Antibody Catalog # ALS14999

Specification

PTPN6 / SHP1 Antibody (Internal) - Product Information

Application Primary Accession Reactivity Host Clonality Calculated MW WB <u>P29350</u> Human, Mouse, Rat, Hamster Goat Polyclonal 68kDa KDa

PTPN6 / SHP1 Antibody (Internal) - 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

Target/Specificity Mouse PTPN6. This antibody is expected to recognise both reported isoforms (NP_536858.1and NP_002822.2).

Reconstitution & Storage Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

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

PTPN6 / SHP1 Antibody (Internal) - 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

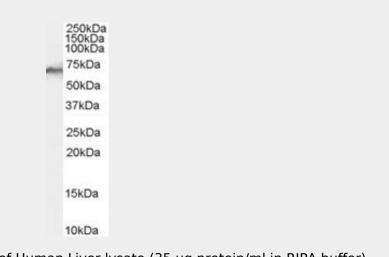
Isoform 1 is expressed in hematopoietic cells. Isoform 2 is expressed in non-hematopoietic cells

PTPN6 / SHP1 Antibody (Internal) - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- <u>Flow Cytomety</u>
- <u>Cell Culture</u>

PTPN6 / SHP1 Antibody (Internal) - Images



PTPN6 antibody (0.1 ug/ml) staining of Human Liver lysate (35 ug protein/ml in RIPA buffer).

PTPN6 / SHP1 Antibody (Internal) - Background

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PTPN6 / SHP1 Antibody (Internal) - 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).