

SHP-1 (Phospho-Tyr564) Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP52495

Specification

SHP-1 (Phospho-Tyr564) Antibody - Product Information

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

SHP-1 (Phospho-Tyr564) Antibody - Additional Information

Gene ID 5777

Other Names

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, PTPN6, HCP, PTP1C

Dilution

WB~~1:1000

Format

Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions

-20°C

SHP-1 (Phospho-Tyr564) 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

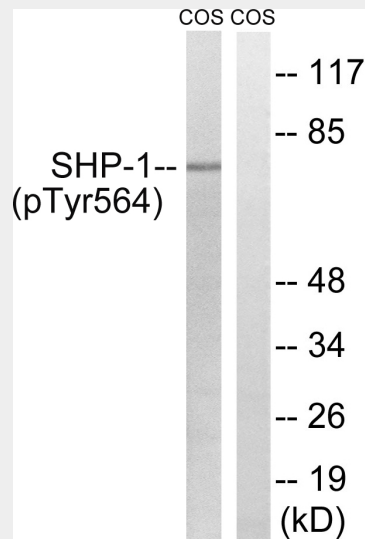
Isoform 1 is expressed in hematopoietic cells. Isoform 2 is expressed in non-hematopoietic cells

SHP-1 (Phospho-Tyr564) 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](#)

SHP-1 (Phospho-Tyr564) Antibody - Images



Western blot analysis of extracts from COS7 cells, treated with EGF (200ng/ml, 30mins), using SHP-1 (Phospho-Tyr564) antibody.

SHP-1 (Phospho-Tyr564) Antibody - Background

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SHP-1 (Phospho-Tyr564) Antibody - References

- Yi T., et al. Mol. Cell. Biol. 12:836-846(1992).
Shen S.H., et al. Nature 352:736-739(1991).
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