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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℃

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.

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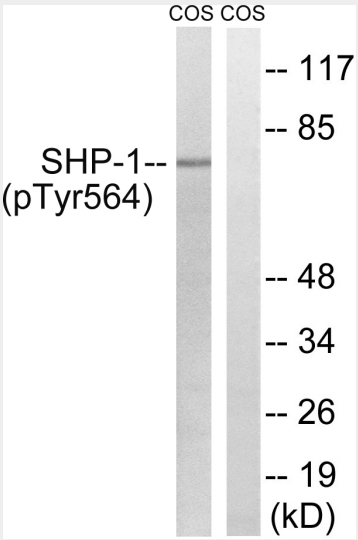
Tissue Location
Isoform 1 is expressed in hematopoietic cells. Isoform 2 is expressed in non-hematopoietic cells

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 Cytomety
- 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

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