

SHP-1 Antibody

Catalog No: #48537



Package Size: #48537-1 50ul #48537-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

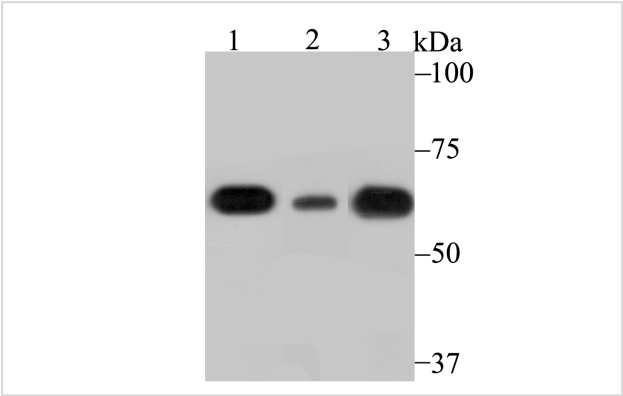
Description

Product Name	SHP-1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified.
Applications	WB,ICC,IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Synthetic peptide of C-terminal human SHP-1.
Other Names	70Z-SHP antibody EC 3.1.3.48 antibody HCP antibody HCPH antibody Hematopoietic cell phosphatase antibody Hematopoietic cell protein tyrosine phosphatase antibody Hematopoietic cell protein-tyrosine phosphatase antibody HPTP1C antibody Protein tyrosine phosphatase 1C antibody Protein tyrosine phosphatase non receptor type 6 antibody Protein tyrosine phosphatase SHP1 antibody Protein-tyrosine phosphatase 1C antibody protein-tyrosine phosphatase SHP 1 antibody Protein-tyrosine phosphatase SHP-1 antibody PTN6_HUMAN antibody PTP 1C antibody PTP-1C antibody PTP1C antibody Ptpn6 antibody SH PTP 1 antibody SH PTP1 antibody SH-PTP1 antibody SHP 1 antibody SHP 1L antibody SHP1 antibody SHP1L antibody tyrosine protein phosphatase non receptor type 6 antibody Tyrosine-protein phosphatase non-receptor type 6 antibody
Accession No.	Swiss-Prot#:P29350
Uniprot	P29350
GeneID	5777;
Calculated MW	68 kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

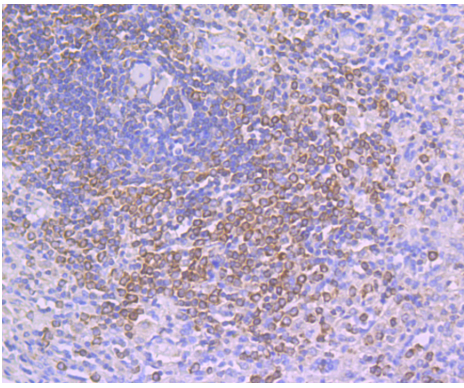
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 ICC: 1:50-1:200

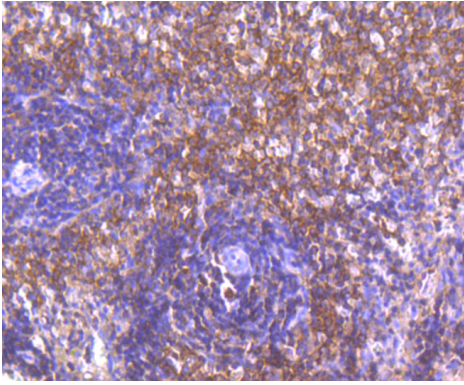
Images



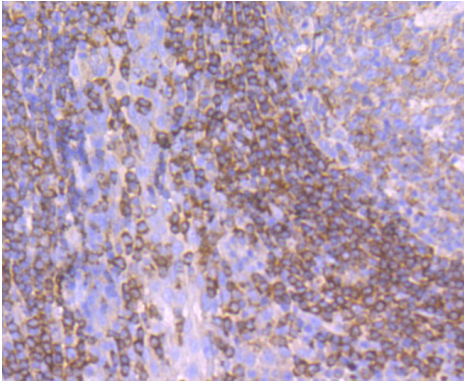
Western blot analysis of SHP1 on different lysates using anti-SHP1 antibody at 1/1,000 dilution. Positive controls: Lane1: Mouse spleen tissue Lane2: HL-60 Lane3: Rat spleen tissue



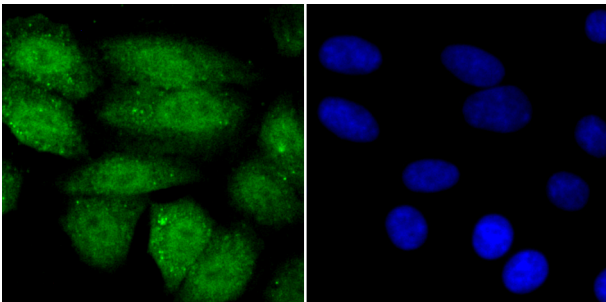
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti- SHP1 antibody. Counter stained with hematoxylin.



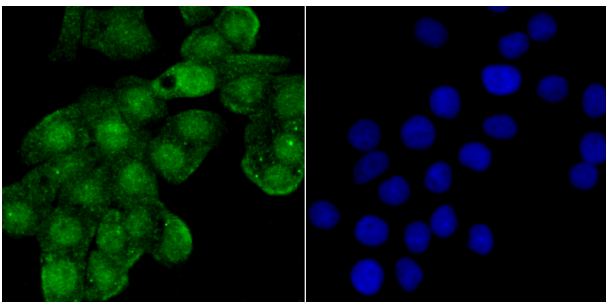
Immunohistochemical analysis of paraffin-embedded rat spleen tissue using anti- SHP1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti- SHP1 antibody. Counter stained with hematoxylin.



ICC staining SHP1 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining SHP1 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

The steady state of protein tyrosyl phosphorylation in cells is regulated by the opposing action of tyrosine kinases and protein tyrosine phosphatases (PTPs). Several groups have independently identified a non-transmembrane PTP, designated SH-PTP1 (also known as PTP1C, HCP and SHP), which is primarily expressed in hematopoietic cells and characterized by the presence of two SH2 domains N-terminal to the PTP domain. SH2 domains generally mediate the association of regulatory molecules with specific phosphotyrosine-containing sites on autophosphorylated receptors, thereby controlling the initial interaction of receptors with these substrates. A second and much more widely expressed PTP with SH2 domains, SH-PTP2 (also designated PTP1D and Syp), has been identified. Strong sequence similarity between SH-PTP2 and the *Drosophila* gene corkscrew (CSW) and their similar patterns of expression suggest that SH-PTP2 is the human corkscrew homolog.

References

Note: This product is for in vitro research use only