

SHP1 Rabbit mAb

Catalog No: #48636



Package Size: #48636-1 50ul #48636-2 100ul

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

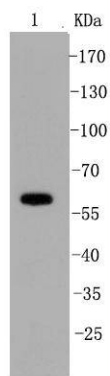
Description

Product Name	SHP1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SR41-02
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
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), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

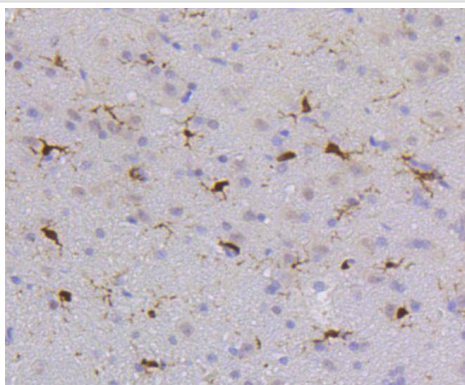
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

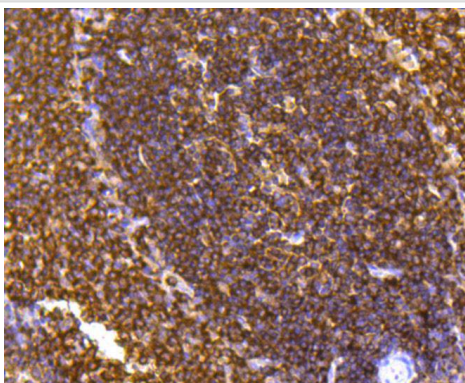
Images



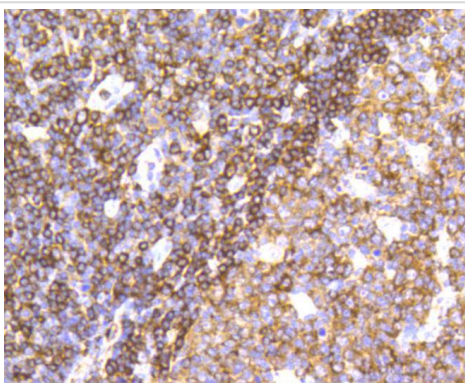
Western blot analysis of SHP1 on Raji cell lysates using anti-SHP1 antibody at 1/500 dilution.



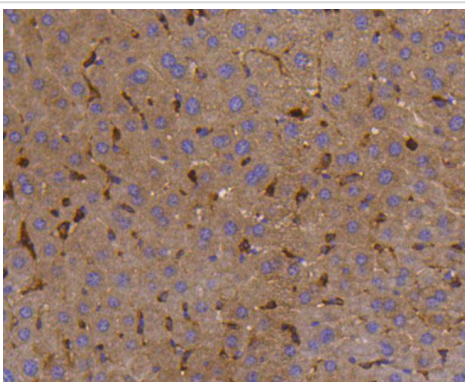
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-SHP1 antibody. Counter stained with hematoxylin.



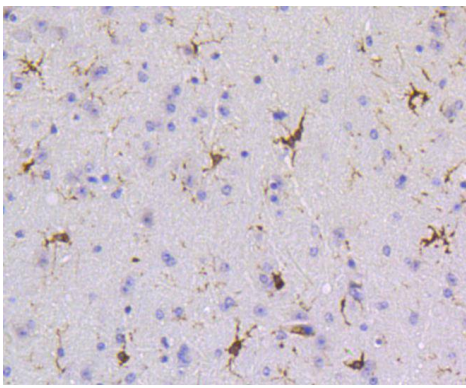
Immunohistochemical analysis of paraffin-embedded rat spleen tissue using anti-SHP1 antibody. Counter stained with hematoxylin.



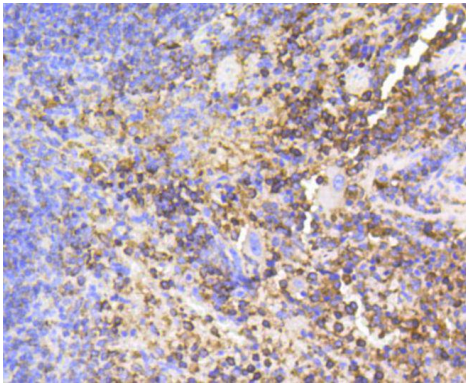
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-SHP1 antibody. Counter stained with hematoxylin.



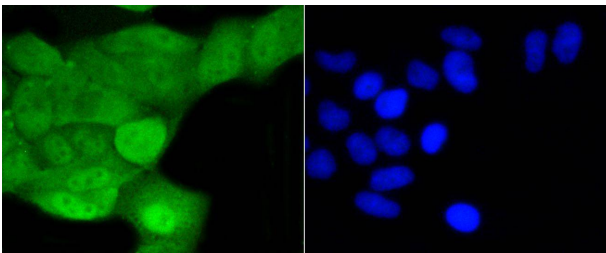
Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-SHP1 antibody. Counter stained with hematoxylin.



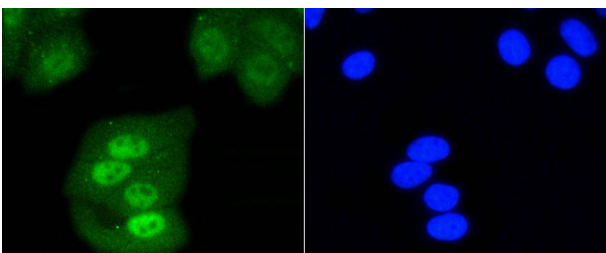
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-SHP1 antibody. Counter stained with hematoxylin.



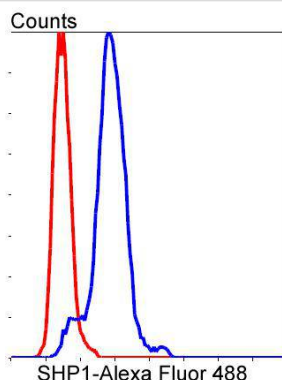
Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-SHP1 antibody. Counter stained with hematoxylin.



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



Flow cytometric analysis of Hela cells with SHP1 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

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