Product Datasheet

Phospho-SHP2(Y542) Rabbit mAb

Catalog No: #13393

Package Size: #13393-1 50ul #13393-2 100ul

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

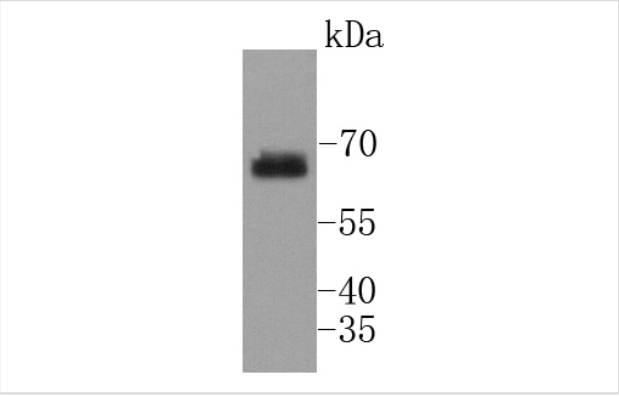
Description

Product Name	Phospho-SHP2(Y542) Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	SN61-01
Purification	ProA affinity purified
Applications	WB, ICC, IP
Species Reactivity	Hu, Ms
Immunogen Description	Synthetic phospho-peptide corresponding to residues surrounding Tyr542 of human SHP2.
Other Names	BPTP3 antibody CFC antibody JMML antibody METCDS antibody MGC14433 antibody NS1 antibody OTTHUMP00000166107 antibody OTTHUMP00000166108 antibody Protein tyrosine phosphatase 2 antibody Protein tyrosine phosphatase 2C antibody Protein tyrosine phosphatase non receptor type 11 antibody Protein-tyrosine phosphatase 1D antibody Protein-tyrosine phosphatase 2C antibody PTN11_HUMAN antibody PTP-1D antibody PTP-2C antibody PTP1D antibody PTP2C antibody PTPN11 antibody SAP2 antibody SH-PTP2 antibody SH-PTP3 antibody SH2 domain containing protein tyrosine phosphatase 2 antibody SHP 2 antibody SHP-2 antibody Shp2 antibody SHPTP2 antibody SHPTP3 antibody Syp antibody Tyrosine-protein phosphatase non-receptor type 11 antibody
Accession No.	Swiss-Prot#:Q06124
Uniprot	Q06124
GeneID	5781;
Calculated MW	68 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

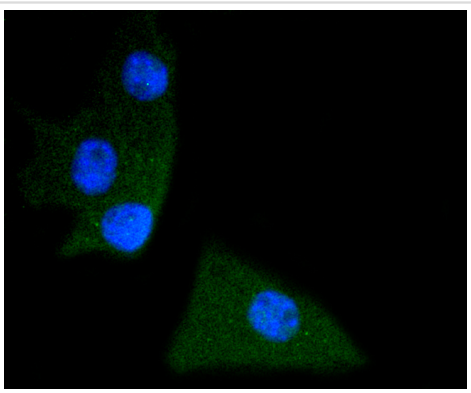
Application Details

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

Images



Western blot analysis of phospho -SHP2(Y542) on NIH/3T3 lysates using anti- phospho -SHP2(Y542) antibody at 1/1,000 dilution.



ICC staining phospho -SHP2(Y542) in B-6F1 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