Rabbit anti-Human, Mouse SHP2 Monoclonal Antibody | anti-SHP2 antibody

SHP2 (Phospho-Y542) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA311018	**Rabbit**	**Human, Mouse**	**Immunofluorescence, Immunoprecipitation, Immunocytochemistry, Western Blot**

PRODUCT SYNONYMS

SHP2; Monoclonal Antibody; SHP2 (Phospho-Y542) Antibody; 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; anti-SHP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Clone Number	SN61-01
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-SHP2 antibody	IF (Immunofluorescence), IP (Immunoprecipitation), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Synthetic phospho-peptide corresponding to residues surrounding Tyr542 of human SHP2.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES

ICC (Immunocytochemistry)
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.

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

ADDITIONAL INFORMATION

Related Product Information for anti-SHP2 antibody	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.
Product Categories/Family for anti-SHP2 antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	33356177
NCBI GeneID	5781
NCBI Accession #	NP_002825.3
NCBI GenBank Nucleotide #	NM_002834.3
UniProt Accession #	Q06124; Q96HD7; A8K1D9
Molecular Weight	68,436 Da
NCBI Official Full Name	tyrosine-protein phosphatase non-receptor type 11 isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 11
NCBI Official Symbol	PTPN11
NCBI Official Synonym Symbols	CFC; NS1; SHP2; BPTP3; PTP2C; PTP-1D; SH-PTP2; SH-PTP3
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 11; PTP-2C; protein-tyrosine phosphatase 1D; protein-tyrosine phosphatase 2C
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 11
UniProt Gene Name	**PTPN11**
UniProt Synonym Gene Names	PTP2C; SHPTP2; PTP-1D; PTP-2C; SHP-2; Shp2
UniProt Entry Name	PTN11_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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