

SHP2 Rabbit mAb

Catalog No: #49047

Package Size: #49047-1 50ul #49047-2 100ul

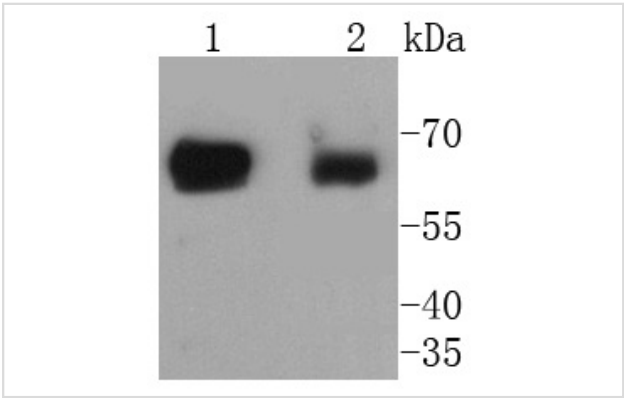
Description

Product Name	SHP2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SN72-02
Purification	ProA affinity purified
Applications	WB, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	BTP3 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
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: 1:1,000-5,000

Images



Western blot analysis of SHP2 on different lysates using anti-SHP2 antibody at 1/1,000 dilution. Positive control: Lane 1: Jurkat Lane 2: HeLa

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.

Published Papers

Shina Lu;Xiaojuan Peng;Gang Lin;Kang Xu;Shanghong Wang;Weihua Qiu;Hailing Du;Kaile Chang;Yangfeng Lv;Yapeng Liu;Hang Deng;Chengyu Hu;Xiaowen Xu et al., Grass carp (*Ctenopharyngodon idellus*) SHP2 suppresses IFN I expression via decreasing the phosphorylation of GSK3 beta in a non-contact manner, , (2021)

[PMID:34265416](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.