SHP2 Rabbit mAb

Catalog No: #52027

Package Size: #52027-1 50ul #52027-2 100ul

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

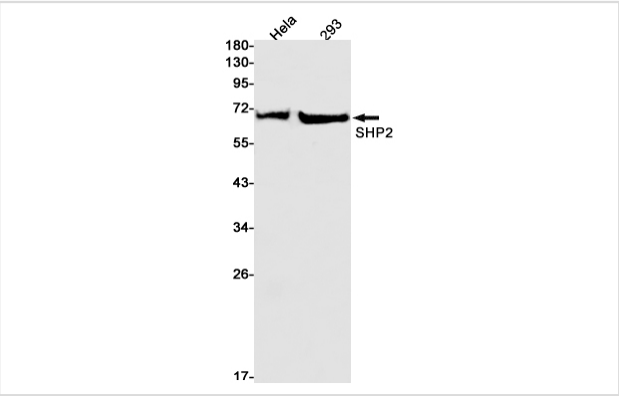
Description

Product Name	SHP2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S08-3G2
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human
Immunogen Description	A synthetic peptide of human SHP2
Conjugates	Unconjugated
Modification	Unmodification
Other Names	CFC, NS1, SHP2, BPTP3, PTP2C, PTP-1D, SH-PTP2, SH-PTP
Accession No.	Swiss-Prot:Q06124GeneID:5781
Calculated MW	Calculated MW: 68 kDa; Observed MW: 68 kDa
Formulation	50nM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

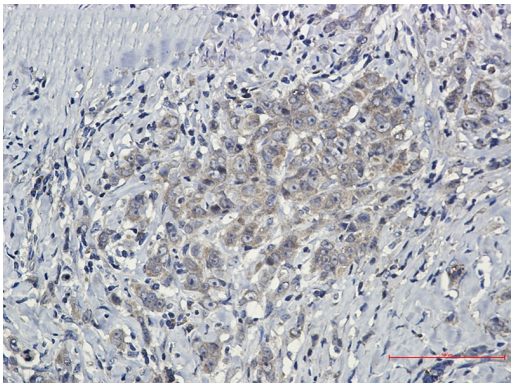
Application Details

WB: 1/2000; IHC: 1/20;

Images



Western blot detection of SHP2 in Hela,293 cell lysates using SHP2 Rabbit mAb(1:1000 diluted).Predicted band size:68kDa.Observed band size:68kDa.



Immunohistochemistry of SHP2 in paraffin-embedded Human breast cancer tissue using SHP2 Rabbit mAb at dilution 1/50

Background

Swiss-Prot Acc.Q06124.Acts downstream of various receptor and cytoplasmic protein tyrosine kinases to participate in the signal transduction from the cell surface to the nucleus (PubMed:10655584, PubMed:18559669, PubMed:18829466, PubMed:26742426, PubMed:28074573).

Positively regulates MAPK signal transduction pathway (PubMed:28074573).

Dephosphorylates GAB1, ARHGAP35 and EGFR (PubMed:28074573).

Dephosphorylates ROCK2 at 'Tyr-722' resulting in stimulation of its RhoA binding activity (PubMed:18559669).

Dephosphorylates CDC73 (PubMed:26742426).

Dephosphorylates SOX9 on tyrosine residues, leading to inactivate SOX9 and promote ossification (By similarity).

Published Papers

Shina Lu;Xiaojue Peng;Gang Lin;Kang Xu;Shanghong Wang;Weihua Qiu;Hailing Du;Kaile Chang;Yangfeng Lv;Yapeng Liu;Hang Deng;Chengyu Hu;Xiaowen Xu el at., 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.