

SHP-2(Phospho-Tyr580) Antibody

Catalog No: #11320



Package Size: #11320 100ul

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

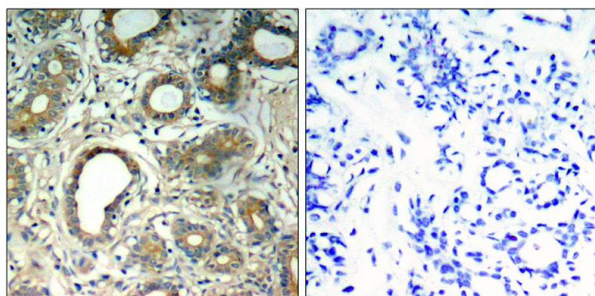
Description

Product Name	SHP-2(Phospho-Tyr580) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of SHP-2 only when phosphorylated at tyrosine 580.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 580 (R-V-Y(p)-E-N) derived from Human SHP-2.
Conjugates	Unconjugated
Target Name	SHP-2
Modification	Phospho
Other Names	PTN11; PTP-1D; PTP-2C; PTP2C; PTPN11
Accession No.	Swiss-Prot: Q06124NCBI Protein: NP_002825.3
Calculated MW	72 kDa
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

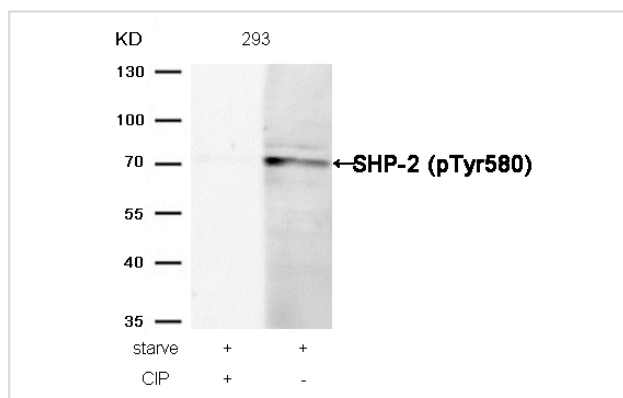
Application Details

WB 1:500-1:2000; IHC 1:100-1:300

Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using SHP-2(Phospho-Tyr580) Antibody #11320(left) or the same antibody preincubated with blocking peptide(right).



Western blot analysis of extracts from 293 cells, treated with starve or calf intestinal phosphatase (CIP), using SHP-2 (Phospho-Tyr580) Antibody #11320.

Background

Acts downstream of various receptor and cytoplasmic protein tyrosine kinases to participate in the signal transduction from the cell surface to the nucleus.

Ferjoux G, et al. (2003) Mol Biol Cell. 2003 ; 14(9): 3911-3928.

Shi ZQ, et al. (2000) Mol Cell Biol ; 20(5): 1526-1536.

Li C, Friedman JM. (1999) Proc Natl Acad Sci U S A ; 96(17): 9677-9682

Manes S, et al. (1999) Mol Cell Biol ; 19(4): 3125-3135.

Oh ES, et al. (1999) Mol Cell Biol; 19(4): 3205-3215.

Published Papers

el at., Glutamate acting on NMDA receptors attenuates IGF-1 receptor tyrosine phosphorylation and its survival signaling properties in rat hippocampal neurons. In J Biol Chem

on 2009 Jan 9 by Wen-Hua Zheng, R0 mi Quirioni ?et al..PMID:18981172, , (2009)

[PMID:18981172](#)

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