

SHP-2(Phospho-Tyr542) Antibody

Catalog No: #11319



Package Size: #11319-1 50ul #11319-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	SHP-2(Phospho-Tyr542) Antibody
Host Species	Rabbit
Clonality	Polyclonal
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 542.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 542 (H-E-Y(p)-T-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
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.

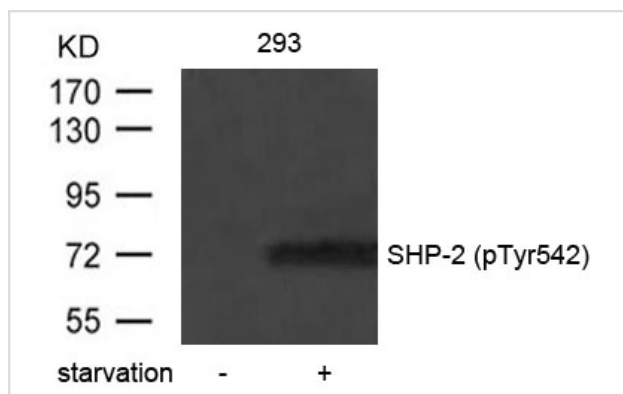
Application Details

Predicted MW: 72kd

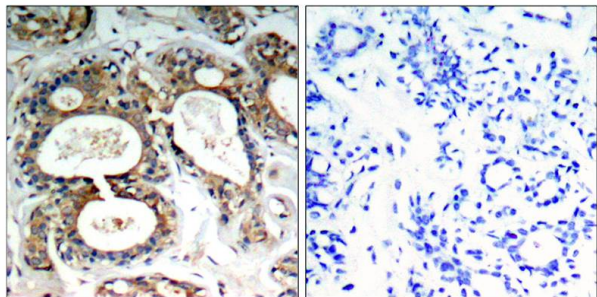
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from 293 cells untreated or treated with starvation using SHP-2(Phospho-Tyr542) Antibody #11319.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using SHP-2(Phospho-Tyr542) Antibody #11319(left) or the same antibody preincubated with blocking peptide(right).

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 N-Methyl-D-aspartate Receptors Attenuates Insulin-like Growth Factor-1 Receptor Tyrosine Phosphorylation and Its Survival Signaling Properties in Rat Hippocampal Neurons. In J Biol Chem 2009 Jan 9 by Wen-Hua Zheng, Rθ mi Quirioni ε t al..PMID: 18981172, , (2009)

[PMID:18981172](#)

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, Rθ 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.