

# SHP-2(Phospho-Tyr580) Antibody

Catalog No: #11320

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## Description

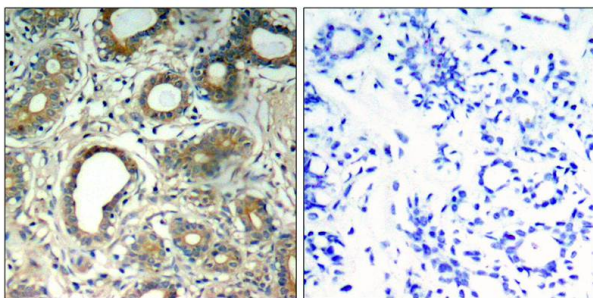
Product Name	SHP-2(Phospho-Tyr580) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
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.
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 <sup>2+</sup> and Ca <sup>2+</sup> ), 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

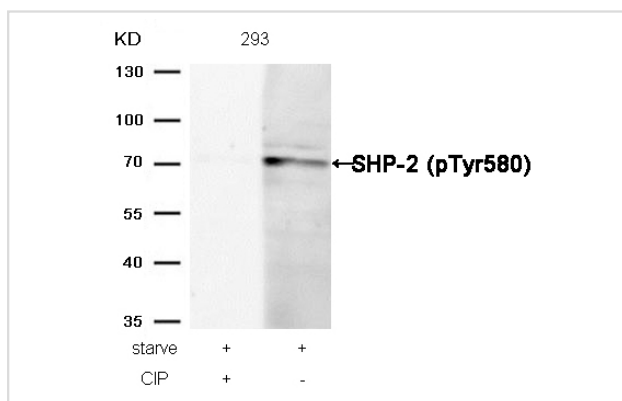
Predicted MW: 72kd

Immunohistochemistry: 1:50~1:100

## 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, Rθ mi Quirioni ?et al..PMID:18981172, , (2009)

[PMID:18981172](https://pubmed.ncbi.nlm.nih.gov/18981172/)

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