Product Datasheet

SHP-2(Phospho-Tyr580) Antibody

Catalog No: #11320

Orders: order@signalwayantibody.com
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Description

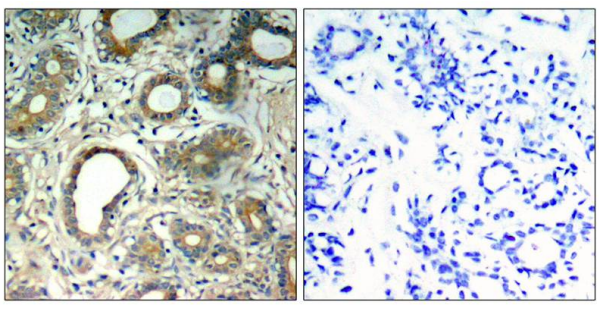
Product Name	SHP-2(Phospho-Tyr580) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy 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
Uniprot	Q06124
GeneID	5781;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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

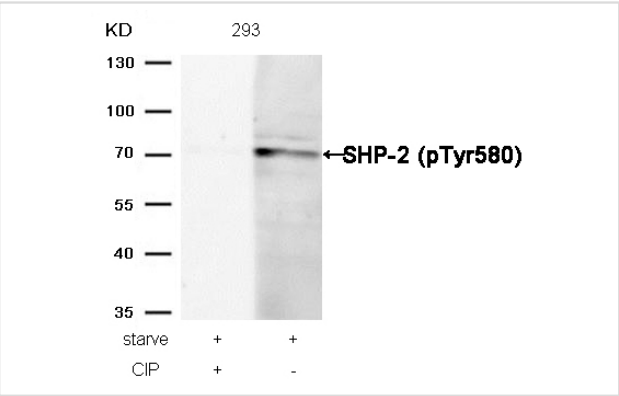
Predicted MW: 72kd

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.

Note: This product is for in vitro research use only