

SHP-2 Antibody | anti-SHP-2 antibody

SHP-2 (Phospho-Tyr580) Antibody

CATALOG # AAA267329	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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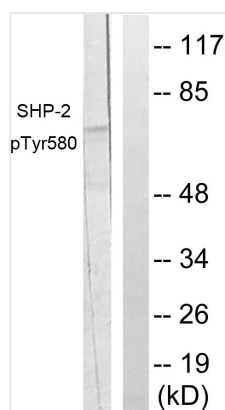
PRODUCT SYNONYMS

SHP-2; SHP-2 (Phospho-Tyr580) Antibody; EC 3.1.3.48; PTN11; PTP-1D; PTP-2C; PTP2C; PTPN11; Protein-tyrosine phosphatase 2C; Protein-tyrosine phosphatase; non-receptor type 11; SH-PTP2; SH-PTP3; SHPTP2; anti-SHP-2 antibody

PRODUCT SPECIFICATIONS

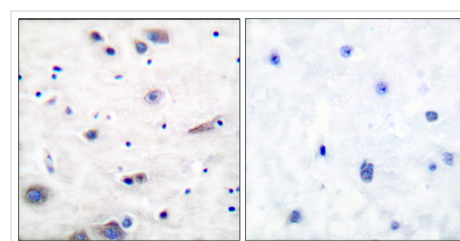
Reactivity	Human, Mouse, Rat
Specificity	SHP-2(phospho-Tyr580) antibody detects endogenous levels of SHP-2 only when phosphorylated at tyrosine 580.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	597
Applicable Applications for anti-SHP-2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human SHP-2 around the phosphorylation site of tyrosine 580 (R-V-YP-E-N).
All Sites	Human: Tyr580 Mouse: Tyr584 Rat: Tyr580
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from A431 cells, using SHP-2 (phospho-Tyr580) antibody.



IHC (Immunohistochemistry)

P-peptide-+ Immunohistochemical analysis of paraffin-embedded human brain tissue using SHP-2 (phospho-Tyr580) antibody.

ADDITIONAL INFORMATION

References	Minako Yamaoka-Tojo, Arterioscler. Thromb. Vasc. Biol., Sep 2006; 26: 1991-1997. Liang Liang, Endocrinology, Sep 2000; 141: 3328. Tony Avril, J. Immunol., Dec 2004; 173: 6841-6849. Laura A. Maile, Mol. Biol. Cell, Sep 2003; 14: 3519.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1059433492
NCBI GeneID	5781
NCBI Accession #	NP_001317366.1
NCBI GenBank Nucleotide #	NM_001330437.1
UniProt Accession #	Q06124; Q96HD7; A8K1D9
Molecular Weight	52,828 Da
NCBI Official Full Name	tyrosine-protein phosphatase non-receptor type 11 isoform 3
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 11
NCBI Official Symbol	PTPN11
NCBI Official Synonym Symbols	CFC; NS1; JMML; SHP2; BPTP3; PTP2C; METCDS; PTP-1D; SH-PTP2; SH-PTP3
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 11
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 11
UniProt Gene Name	PTPN11
UniProt Synonym Gene Names	PTP2C; SHPTP2; PTP-1D; PTP-2C; SHP-2; Shp2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.