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Product datasheet for AP02795PU-S

SHP1 (PTPN6) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western blot: 1/500~1/1000. Immunofluorescence: 1/100~1/200. Immunohistochemistry on Paraffin-Embedded Sections: 1/50~1/100.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized non-phosphopeptide derived from human SHP-1 around the phosphorylation site of tyrosine 536 (S-E-Y*p*-G-N).
Specificity:	This antibody detects endogenous levels of total PTPN6/SHP-1 protein.
Formulation:	PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	protein tyrosine phosphatase, non-receptor type 6
Database Link:	Entrez Gene 5777 Human P29350

View online »

Background: SHP1 is a member of the non receptor protein tyrosine phosphatase subfamily. The PTP family comprises of at least 37 proteins, characterized by a catalytic phosphatase domain of approximately 240 amino acids, and includes both transmembrane and cytosolic enzymes. PTP1B is cytosolic. The PTPs have high substrate specificity for phosphotyrosyl proteins, at the primary sequence level sharing little similarity with the protein serine phosphatases, protein threonine phosphatases, or the acid and alkaline phosphatases. SHP1 is implicated in the control of tyrosine kinase signalling pathways in cellular proliferation, with a potential role in cancer.

Synonyms: PTPN-6, HCP, PTP1C, Protein-tyrosine phosphatase 1C, PTP-1C, SH-PTP1, Protein-tyrosine phosphatase SHP-1

Product images:

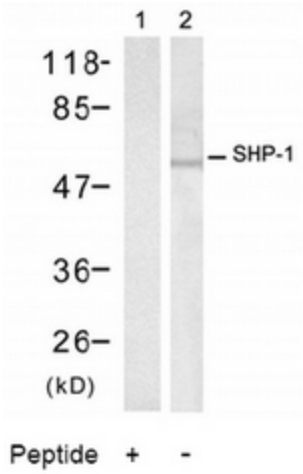

Figure 1. Western blot analysis of extracts from Raw264.7 cells using SHP-1 antibody.

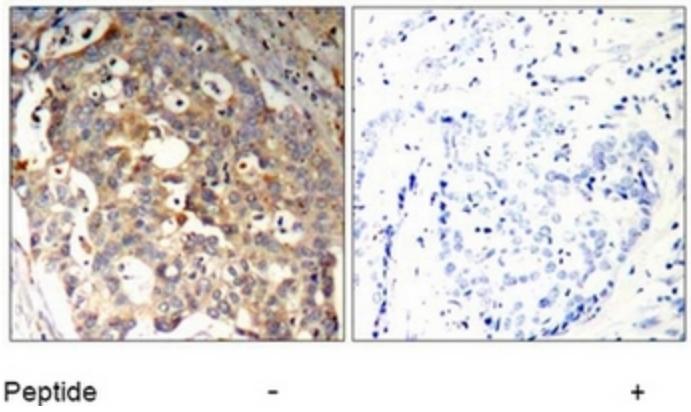

Figure 3. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using SHP-1 antibody.

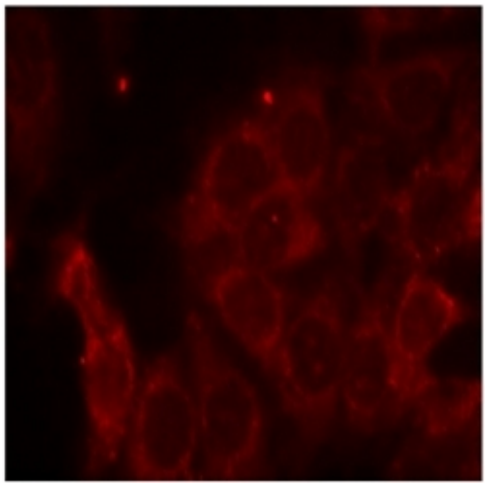

Figure 2. Immunofluorescence staining of methanol-fixed MCF7 cells using SHP-1 antibody (Red).