

## Rabbit SHP-1 Polyclonal Antibody | anti-SHP-1 antibody

SHP-1 (Phospho-Tyr536) Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA316075 | Rabbit | Human, Mouse, Rat | ELISA, Immunohistochemistry, Western Blot |

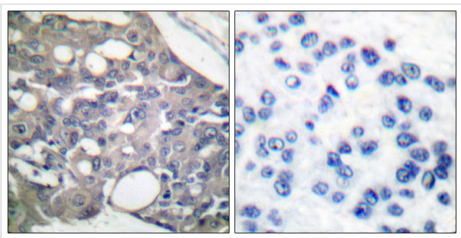
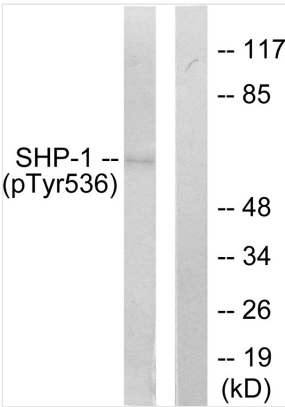
### PRODUCT SYNONYMS

SHP-1; Polyclonal Antibody; SHP-1 (Phospho-Tyr536) Antibody; 70Z-SHP; HCP; HCPH; Hematopoietic cell protein-tyrosine phosphatase; PTN6; PTP-1C; PTP1C; PTPN6; Protein-tyrosine phosphatase 1C; Protein-tyrosine phosphatase SHP-1; Protein-tyrosine phosphatase; non-receptor type 6; SH-PTP1; anti-SHP-1 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                  |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                           |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                                                                |
| Clonality                                       | Polyclonal                                                                                                                                                                                       |
| Specificity                                     | SHP-1 (Phospho-Tyr536) Antibody detects endogenous levels of SHP-1 only when phosphorylated at Tyr536.                                                                                           |
| Purity/Purification                             | Purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide. |
| Form/Format                                     | Rabbit IgG 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.                                               |
| Concentration                                   | 1 mg/ml (varies by lot)                                                                                                                                                                          |
| Sequence Length                                 | 624                                                                                                                                                                                              |
| Applicable Applications for anti-SHP-1 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                             |
| Target Modification                             | Phospho                                                                                                                                                                                          |
| Modification Sites                              | H:Y536; M:Y536; R:Y538                                                                                                                                                                           |
| Immunogen                                       | The antiserum was produced against synthesized peptide derived from human SHP-1 around the phosphorylation site of Tyr536.                                                                       |
| Immunogen Range                                 | 502-551                                                                                                                                                                                          |
| Preparation and Storage                         | Stable at -20 degree C for at least 1 year.                                                                                                                                                      |

IMAGES



IHC (Immunohistochemistry)  
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using SHP-1 (Phospho-Tyr536) Antibody. The picture on the right is blocked with the phospho peptide.

WB (Western Blot)  
Western blot analysis of lysates from RAW264.7 cells treated with EGF 200ng/ml 5', using SHP-1 (Phospho-Tyr536) Antibody. The lane on the right is blocked with the phospho peptide.

NCBI AND UNIPROT INFORMATION

|                                  |                                                            |
|----------------------------------|------------------------------------------------------------|
| NCBI GI #                        | 18104989                                                   |
| NCBI GeneID                      | 5777                                                       |
| NCBI Accession #                 | NP_002822.2                                                |
| NCBI GenBank Nucleotide #        | NM_002831.5                                                |
| UniProt Accession #              | P29350; Q969V8; Q9UK67; A8K306; G3V0F8                     |
| Molecular Weight                 | 67 kDa                                                     |
| NCBI Official Full Name          | tyrosine-protein phosphatase non-receptor type 6 isoform 1 |
| NCBI Official Synonym Full Names | protein tyrosine phosphatase, non-receptor type 6          |
| NCBI Official Symbol             | PTPN6                                                      |
| NCBI Official Synonym Symbols    | HCP; HCPH; SHP1; SHP-1; HPTP1C; PTP-1C; SHP-1L; SH-PTP1    |
| NCBI Protein Information         | tyrosine-protein phosphatase non-receptor type 6           |
| UniProt Protein Name             | Tyrosine-protein phosphatase non-receptor type 6           |
| UniProt Gene Name                | PTPN6                                                      |
| UniProt Synonym Gene Names       | HCP; PTP1C; PTP-1C                                         |

**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.