

## Mouse anti-Human SHP-1 Monoclonal Antibody | anti-SHP-1 antibody

SHP-1 Mouse mAb

|                               |                      |                            |                                                          |
|-------------------------------|----------------------|----------------------------|----------------------------------------------------------|
| CATALOG #<br><b>AAA320401</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunoprecipitation, Western Blot</b> |
|-------------------------------|----------------------|----------------------------|----------------------------------------------------------|

### PRODUCT SYNONYMS

SHP-1; Monoclonal Antibody; SHP-1 Mouse mAb; 70 kda SHP1L protein; 70Z-SHP; EC 3.1.3.48; HCP; HCPH; Hematopoietic cell phosphatase; Hematopoietic cell protein tyrosine phosphatase; Hematopoietic cell protein-tyrosine phosphatase; HPTP1C; Protein tyrosine phosphatase 1C; Protein tyrosine phosphatase non receptor type 6; Protein tyrosine phosphatase SHP1; Protein-tyrosine phosphatase 1C; protein-tyrosine phosphatase SHP 1; Protein-tyrosine phosphatase SHP-1; PTN6\_HUMAN; PTP 1C; PTP-1C; PTP1C; PTPN6; SH PTP 1; SH PTP1; SH-PTP1; SHP 1; SHP 1L; SHP1; SHP1L; tyrosine protein phosphatase non receptor type 6; Tyrosine-protein phosphatase non-receptor type 6.; anti-SHP-1 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                    |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                              |
| Reactivity                                      | Human                                                                                                              |
| Clonality                                       | Monoclonal                                                                                                         |
| Specificity                                     | This antibody detects endogenous levels of SHP-1 and does not cross-react with related proteins.                   |
| Purity/Purification                             | The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen. |
| Form/Format                                     | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                            |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                             |
| Applicable Applications for anti-SHP-1 antibody | IP (Immunoprecipitation), WB (Western Blot)                                                                        |
| Immunogen                                       | Purified recombinant human SHP-1 protein fragments expressed in E coli.                                            |
| Modification                                    | Unmodified/Total                                                                                                   |
| Preparation and Storage                         | Store at -20 degree C/1 year                                                                                       |

### IMAGES



#### IP (Immunoprecipitation)

Immunoprecipitation analysis of Raji cell lysates using SHP-1 mouse mAb.



#### WB (Western Blot)

Western blot detection of SHP-1 in Human tonsil, Daudi, Jurkat and Raji cell lysates using SHP-1 mouse mAb (1:1000 diluted). Predicted band size: 67KDa. Observed band size: 67KDa.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SHP-1 antibody | The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. N-terminal part of this PTP contains two tandem Src homolog (SH2) domains, which act as protein phospho-tyrosine binding domains, and mediate the interaction of this PTP with its substrates. This PTP is expressed primarily in hematopoietic cells, and functions as an important regulator of multiple signaling pathways in hematopoietic cells. This PTP has been shown to interact with, and dephosphorylate a wide spectrum of phospho-proteins involved in hematopoietic cell signaling. Multiple alternatively spliced variants of this gene, which encode distinct isoforms, have been reported. [provided by RefSeq, Jul |
| Product Categories/Family for anti-SHP-1 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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                 | 67,561 Da                                                                                                                                                                                              |
| 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; hematopoietic cell phosphatase; protein-tyrosine phosphatase 1C; protein-tyrosine phosphatase SHP-1; hematopoietic cell protein-tyrosine phosphatase |
| UniProt Protein Name             | Tyrosine-protein phosphatase non-receptor type 6                                                                                                                                                       |
| UniProt Gene Name                | PTPN6                                                                                                                                                                                                  |
| UniProt Synonym Gene Names       | HCP; PTP1C; PTP-1C                                                                                                                                                                                     |
| UniProt Entry Name               | PTN6_HUMAN                                                                                                                                                                                             |

**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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/shp-1-antibody-immunoprecipitation-western-blot-elisa/320401>