

## Rabbit anti-Mouse SHP-1 Polyclonal Antibody | anti-PTPN6 antibody

Anti-SHP-1 Antibody, Rabbit Polyclonal

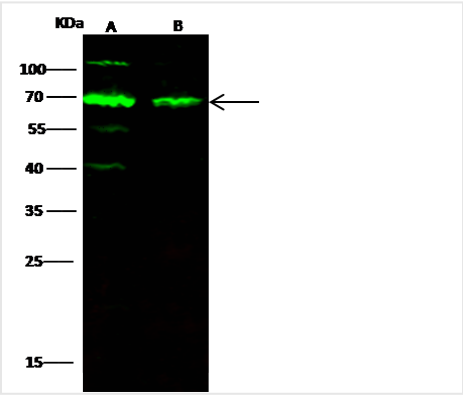
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                             |
|-----------|--------|------------|------------------------------------------|
| AAA257237 | Rabbit | Mouse      | Immunoprecipitation, ELISA, Western Blot |

### PRODUCT SYNONYMS

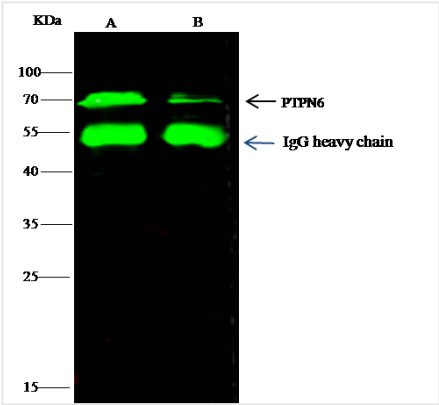
SHP-1; Polyclonal Antibody; Anti-SHP-1 Antibody; Rabbit Polyclonal; PTPN6 Antibody; Rabbit PAb; Antigen Affinity Purified; protein tyrosine phosphatase; non-receptor type 6; Anti-70Z-SHP Antibody; Anti-hcp Antibody; Anti-Hcph Antibody; Anti-me Antibody; Anti-Ptp1C Antibody; Anti-PTPTY-42 Antibody; Anti-SH-PTP1 Antibody; anti-PTPN6 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                      | Mouse                                                                                                                                                                                                                                                                 |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                            |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                                                            |
| Specificity                                     | Mouse PTPN6                                                                                                                                                                                                                                                           |
| Purity/Purification                             | Protein A & Antigen Affinity                                                                                                                                                                                                                                          |
| Form/Format                                     | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-PTPN6 antibody | IP (Immunoprecipitation), ELISA, WB (Western Blot)                                                                                                                                                                                                                    |
| Immunogen                                       | Recombinant Mouse PTPN6 Protein                                                                                                                                                                                                                                       |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                     | Produced in rabbits immunized with purified, recombinant Mouse PTPN6 (rM PTPN6). PTPN6 specific IgG was purified by Mouse PTPN6 affinity chromatography.                                                                                                              |
| Preparation and Storage                         | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |



**WB (Western Blot)**  
Anti-PTPN6(207-597) rabbit polyclonal antibody at 1:500 dilutionLane A: Jurkat Whole Cell LysateLane B: k562 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:68 kDaObserved band size:68 kDa(We are unsure as to the identity of these extra bands.



**IP (Immunoprecipitation)**  
Mouse PTPN6 was immunoprecipitated using:Lane A:0.5 mg Jurkat Whole Cell LysateLane B:0.5 mg K562 Whole Cell Lysate2 uL anti-Mouse PTPN6 rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose.Primary antibody:Anti-Mouse PTPN6 rabbit polyclonal antibody,at 1:200 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 68 kDaObserved band size: 68 kDa

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PTPN6 antibody | PTPN6 is an enzyme that belongs to the protein tyrosine phosphatase (PTP) family. PTPs are signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. N-terminal part of PTPN6 contains two tandem Src homolog (SH2) domains, which act as protein phospho-tyrosine binding domains, and mediate the interaction of PTPN6 with its substrates. PTPN6 is expressed primarily in hematopoietic cells, and functions as an important regulator of multiple signaling pathways in hematopoietic cells. It has been shown that PTPN6 interacts with, and dephosphorylate a wide spectrum of phospho-proteins involved in hematopoietic cell signaling. |
| Product Categories/Family for anti-PTPN6 antibody   | ITIM/ITAM Immunoreceptors and Related Molecules Phosphatases and Regulators; B Cell Receptor Signaling Pathway                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| References                                          | Yu CL, et al. (2000) Cytosolic tyrosine dephosphorylation of STAT5. Potential role of SHP-2 in STAT5 regulation. J Biol Chem. 275(1):599-604. Wu DW, et al. (2000) SH2-Containing protein tyrosine phosphatase-1 (SHP-1) association with Jak2 in UT-7/Epo cells. Blood Cells Mol Dis. 26(1):15-24. Jiao H, et al. (1996) Direct association with and dephosphorylation of Jak2 kinase by the SH2-domain-containing protein tyrosine phosphatase SHP-1. Mol Cell Biol. 16(12):6985-92.                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| NCBI GI #                        | 118130785                                                                      |
| NCBI GeneID                      | 15170                                                                          |
| NCBI Accession #                 | NP_001071173.1                                                                 |
| NCBI GenBank Nucleotide #        | NM_001077705.2                                                                 |
| UniProt Accession #              | P29351; O35128; Q63872; Q63873; Q63874; Q921G3; Q9QVA6; Q9QVA7; Q9QVA8; Q9R0V6 |
| Molecular Weight                 | 67,559 Da                                                                      |
| NCBI Official Full Name          | tyrosine-protein phosphatase non-receptor type 6 isoform b                     |
| NCBI Official Synonym Full Names | protein tyrosine phosphatase, non-receptor type 6                              |
| NCBI Official Symbol             | Ptpn6                                                                          |
| NCBI Official Synonym Symbols    | me; hcp; Hcph; Ptp1C; SHP-1; 70Z-SHP; SH-PTP1; PTPTY-42                        |

|                            |                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Protein Information   | tyrosine-protein phosphatase non-receptor type 6; motheaten; protein-tyrosine phosphatase 1C; hematopoietic cell protein-tyrosine phosphatase |
| UniProt Protein Name       | Tyrosine-protein phosphatase non-receptor type 6                                                                                              |
| UniProt Gene Name          | <b>Ptpn6</b>                                                                                                                                  |
| UniProt Synonym Gene Names | Hcp; Hcph; Ptp1C; PTP-1C; SHP-1                                                                                                               |
| UniProt Entry Name         | PTN6_MOUSE                                                                                                                                    |

**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/polyclonal/shp-1-antibody-immunoprecipitation-western-blot-elisa/257237>