

## Rabbit SH-PTP1 Polyclonal Antibody | anti-SH-PTP1 antibody

SH-PTP1 Polyclonal Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA295791</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

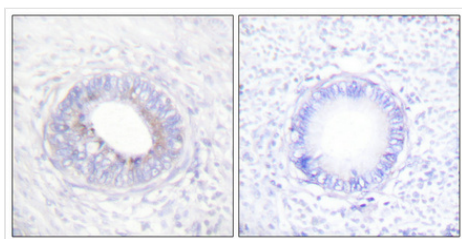
### PRODUCT SYNONYMS

SH-PTP1; Polyclonal Antibody; SH-PTP1 Polyclonal Antibody; PTPN6; HCP; PTP1C; Tyrosine-protein phosphatase non-receptor type 6; Hematopoietic cell protein-tyrosine phosphatase; Protein-tyrosine phosphatase 1C; PTP-1C; Protein-tyrosine phosphatase SHP-1; anti-SH-PTP1 antibody

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                   |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                                                                                                                            |
| Reactivity                                        | Human, Mouse, Rat                                                                                                                                                                                 |
| Clonality                                         | Polyclonal                                                                                                                                                                                        |
| Form/Format                                       | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.                                                                                                                     |
| Applicable Applications for anti-SH-PTP1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                     |
| Cellular Location                                 | Cytoplasm. Nucleus. Note=In neurons, translocates into the nucleus after treatment with angiotensin II (By similarity) Shuttles between the cytoplasm and nucleus via its association with PDPK1. |
| Tissue Location                                   | Isoform 1 is expressed in hematopoietic cells. Isoform 2 is expressed in non-hematopoietic cells                                                                                                  |
| Preparation and Storage                           | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                             |

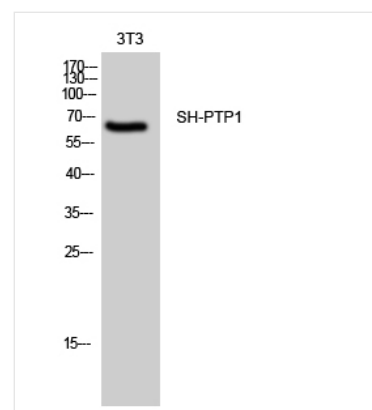
### IMAGES



IHC (Immunohistochemistry)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000.

Not yet tested in other applications.



WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000.

Not yet tested in other applications.

### ADDITIONAL INFORMATION

#### Related Product Information for anti-SH-PTP1 antibody

Modulates signaling by tyrosine phosphorylated cell surface receptors such as KIT and the EGF receptor/EGFR. The SH2 regions may interact with other cellular components to modulate its own phosphatase activity against interacting substrates. Together with MTUS1, induces UBE2V2 expression upon angiotensin II stimulation. Plays a key role in hematopoiesis.

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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