

Datasheet for ABIN7453172  
**anti-SHP1 antibody (AA 545-595)**



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## Overview

|                      |                                     |
|----------------------|-------------------------------------|
| Quantity:            | 100 µg                              |
| Target:              | SHP1 (PTPN6)                        |
| Binding Specificity: | AA 545-595                          |
| Reactivity:          | Human                               |
| Host:                | Rabbit                              |
| Clonality:           | Polyclonal                          |
| Conjugate:           | This SHP1 antibody is un-conjugated |
| Application:         | Western Blotting (WB)               |

## Product Details

|               |                                                    |
|---------------|----------------------------------------------------|
| Purpose:      | Rabbit anti-PTPN6/SHP1 Antibody, Affinity Purified |
| Immunogen:    | Between AA 545 and 595                             |
| Isotype:      | IgG                                                |
| Purification: | Affinity Purified                                  |

## Target Details

|                   |                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | SHP1 (PTPN6)                                                                                                                                                                 |
| Alternative Name: | PTPN6/SHP1 ( <a href="#">PTPN6 Products</a> )                                                                                                                                |
| Background:       | Background: PTPN6/SHP-1 modulates signaling by tyrosine phosphorylated cell surface receptors such as KIT and the EGF receptor/EGFR. The SH2 regions may interact with other |

## Target Details

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           | cellular components to modulate its own phosphatase activity against interacting substrates. Together with MTUS1, SHP-1 induces UBE2V2 expression upon angiotensin II stimulation.SHP-1 plays a key role in hematopoiesis [taken from the Universal Protein Resource (UniProt) P29350].                                                                                                                                                                                                                                                                          |
| Gene ID:  | 5777                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt:  | <a href="#">P29350</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Pathways: | <a href="#">JAK-STAT Signaling</a> , <a href="#">TCR Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a> , <a href="#">Response to Growth Hormone Stimulus</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">BCR Signaling</a> |

## Application Details

|                    |                                               |
|--------------------|-----------------------------------------------|
| Application Notes: | IP: Not recommended<br>WB: 1:2,000 - 1:10,000 |
| Restrictions:      | For Research Use only                         |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Concentration:     | 1000 µg/mL                                                                                                             |
| Buffer:            | Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % Sodium Azide                                                |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | 4 °C                                                                                                                   |
| Expiry Date:       | 12 months                                                                                                              |