

## PTPN6

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC ICC IP FC

**Recommended Dilution:** WB 1:500 - 1:1000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IP 1:20 - 1:50  
FC 1:20 - 1:50

**Calculated MW:** 68 kDa

**Observed MW:** Refer to figures

**Immunogen:**

Recombinant protein of human PTPN6

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

HCP; HCPH; SHP1; SHP-1; HPTP1C; PTP-1C; SHP-1L; SH-PTP1;

**Catalog #:** A11134

**Antibody Type:**

Monoclonal Antibody

**Species:** Rabbit

**Gene ID:** 5777

**Isotype:** IgG

**Swiss Prot:** P29350

**Purity:** Affinity purification

For research use only.

**Background:**

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.

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