PTPN6 Polyclonal Antibody

Catalog No.	A1446	**Category**	Polyclonal Antibodies
Applications	WB, IF	**Observed MW**	68kDa
Cross-reactivity	Human, Mouse	**Calculated MW**	63kDa/67kDa/70kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 100-400 of human PTPN6 (NP_002822.2).
Gene ID	5777
Swiss prot	P29350
Synonyms	PTPN6; HCP; HCPH; HPTP1C; PTP-1C; SH-PTP1; SHP -1; SHP-1L; SHP1; tyrosine-protein phosphatase non-receptor type 6

Product information

Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

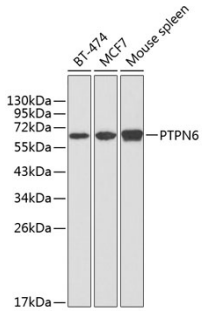
Background

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.

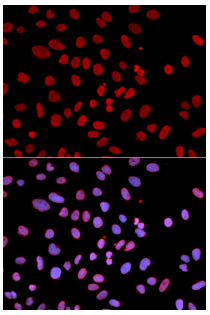
Recommended Dilutions

WB 1:500 - 1:2000

IF 1:50 - 1:200



Western blot - PTPN6 Polyclonal Antibody (A1446)



Immunofluorescence - PTPN6 Polyclonal Antibody (A1446)

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