

	<h2>SHP-2 Mouse mAb</h2>	E 2 2 2 0 7 4 9
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Swiss-Prot No.:	Q06124
Altername:	PTPN11
Storage/Stability:	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Immunogen:	Purified recombinant fragment of human PTPN11 (AA: 263-329) expressed in E. Coli.
Purification:	Affinity purified
Reactivity:	Human
Other Names:	CFC; NS1; SHP2; BPTP3; PTP2C; PTP-1D; SH-PTP2; SH-PTP3; MGC14433
Background:	<p>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. This PTP contains two tandem Src homology-2 domains, which function as phospho-tyrosine binding domains and mediate the interaction of this PTP with its substrates. This PTP is widely expressed in most tissues and plays a regulatory role in various cell signaling events that are important for a diversity of cell functions, such as mitogenic activation, metabolic control, transcription regulation, and cell migration. Mutations in this gene are a cause of Noonan</p>

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	syndrome as well as acute myeloid leukemia. Two transcript variants encoding different isoforms have been found for this gene.
Gene ID:	5781
Cellular localization:	Cytoplasm, Nucleus
Source:	Mouse
Antibody type:	Monoclonal antibody
Isotype:	Mouse IgG1
Molecular Weight:	68.4kDa
Preservative:	Purified antibody in PBS with 0.05% sodium azide
Recommended Dilutions:	WB: 1/500 - 1/2000; IHC: 1/200 - 1/1000; ICC: 1/200 - 1/1000; FCM: 1/200 - 1/400; Elisa: 1/10000
Clone Number:	6G2-H4-F11