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| Swiss-Prot No.: | Q06124 |
| Altermname: | 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: | 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 |

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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: | Monclonal 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 |