**Product Name: SHP2 Rabbit Monoclonal Antibody**
**Catalog #: AMRe87608**
For research use only.

## Summary

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|---|---|
| **Description** | Recombinant rabbit monoclonal antibody |
| **Host** | Rabbit |
| **Application** | WB,IP |
| **Reactivity** | Mouse,Rat |
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | IgG |
| **Clonality** | Monoclonal |
| **Form** | Liquid |
| **Concentration** | |
| **Storage** | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| **Shipping** | Ice bags |
| **Buffer** | Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt. |
| **Purification** | Affinity Purification |

## Application

| | |
|---|---|
| **Dilution Ratio** | WB 1:500-1:2000,IP 1:20-1:50 |
| **Molecular Weight** | Calculated MW:68 kDa; Observed MW:68 kDa |

## Antigen Information

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|---|---|
| **Gene Name** | SHP2 |
| **Alternative Names** | Syp; Shp2; PTP1D; PTP2C; SAP-2; SHP-2; SH-PTP2; SH-PTP3; 2700084A17Rik |
| **Gene ID** | 19247 |
| **SwissProt ID** | P35235 |
| **Immunogen** | Recombinant protein of mouse SHP2 |

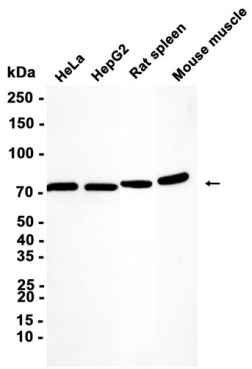
## Background

Enables cell adhesion molecule binding activity; protein tyrosine phosphatase activity; and signaling receptor binding activity. Involved in negative regulation of chondrocyte differentiation; positive regulation of cytokine production; and positive

regulation of ossification. Acts upstream of or within several processes, including cell surface receptor signaling pathway; myeloid cell differentiation; and regulation of hormone secretion. Predicted to be located in several cellular components, including mitochondrion; plasma membrane raft; and stress fiber. Predicted to be part of protein-containing complex. Is expressed in several structures, including alimentary system; brain; genitourinary system; hemolymphoid system gland; and liver and biliary system. Used to study several diseases, including Noonan syndrome 1; Noonan syndrome with multiple lentigines; hepatocellular adenoma; intrinsic cardiomyopathy (multiple); and juvenile myelomonocytic leukemia. Human ortholog(s) of this gene implicated in several diseases, including Noonan syndrome (multiple); Noonan syndrome with multiple lentigines 1; atrophic gastritis; juvenile myelomonocytic leukemia; and metachondromatosis. Orthologous to human PTPN11 (protein tyrosine phosphatase non-receptor type 11). [provided by Alliance of Genome Resources, Apr 2022]

## Research Area

## Image Data




Western blot analysis of extracts from HeLa, HepG2 cells and Rat spleen, Mouse muscle tissue using SHP2 Rabbit Monoclonal Antibody at 1:1000.