
Anti-SH-PTP1

Cat #: HM1292
Mouse monoclonal IgG
0.2 µg/µl, store at 4 °C

For research use only

BACKGROUND

The phosphorylation of proteins at tyrosine residues is an important regulatory component of signal transduction. This reversible process involves both tyrosine kinases and protein tyrosine phosphatases (PTPs). Membrane associated PTPs include SH-PTP1 (PTP1C, HCP, SHP), SH-PTP2 (Syp, PTP1D), PTP-H1 and PTP1B. SH-PTP1 is primarily expressed in hematopoietic cells and characterized by the presence of two SH2 domains N-terminal to the PTP domain. It has been shown to interact with, and dephosphorylate a wide spectrum of phospho-proteins involved in hematopoietic cell signaling.

SPECIFICITY

This antibody specifically reacts with SH-PTP1 of mouse, rat and human origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

IMMUNOGEN

A synthetic peptide at the carboxy terminus of human SH-PTP1.

STORAGE

This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES

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