

**Product Name: Phospho-SHP2 (Y542) (7K17) Rabbit
Monoclonal Antibody
Catalog #: AMRe06005**



Summary

Production Name	Phospho-SHP2 (Y542) (7K17) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	PTPN11
Alternative Names	BPTP3; CFC; MGC14433; NS1; PTN11; PTP-1D; PTP-2C; PTP2C; PTPN11; SH-PTP2; SH-PTP3; SHP-2; Shp2; SHPTP2;
Gene ID	5781.0
SwissProt ID	Q06124.

Application

Dilution Ratio	WB 1:500-1:2000
Molecular Weight	68kDa

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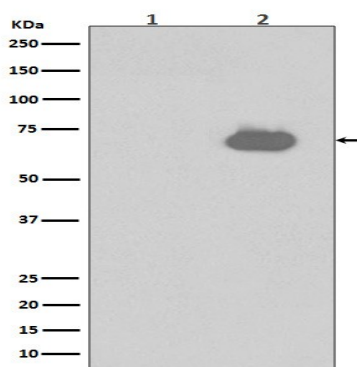


Background

SHP-2 a SH2-containing a ubiquitously expressed tyrosine-specific protein phosphatase. It participates in signaling events downstream of receptors for growth factors, cytokines, hormones, antigens and extracellular matrices in the control of cell growth, differentiation, migration, and death. Acts downstream of various receptor and cytoplasmic protein tyrosine kinases to participate in the signal transduction from the cell surface to the nucleus (PubMed:10655584, PubMed:18559669, PubMed:18829466, PubMed:26742426, PubMed:28074573). Positively regulates MAPK signal transduction pathway (PubMed:28074573). Dephosphorylates GAB1, ARHGAP35 and EGFR (PubMed:28074573). Dephosphorylates ROCK2 at 'Tyr-722' resulting in stimulation of its RhoA binding activity (PubMed:18559669). Dephosphorylates CDC73 (PubMed:26742426). Dephosphorylates SOX9 on tyrosine residues, leading to inactivate SOX9 and promote ossification (By similarity).

Research Area

Image Data



Western blot analysis of Phospho-SHP2 (Y542) expression in (1) NIH/3T3 cell lysates; (2) NIH/3T3 cell lysates treated with PDGF.

Note

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