

Mouse SHP2 (N-terminal Region) Monoclonal Antibody

Anti-SHP2 (N-terminal region)

CATALOG # AAA71508	HOST Mouse	REACTIVITY Human, Rat, Mouse	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

SHP2 (N-terminal Region); Monoclonal Antibody; Anti-SHP2 (N-terminal region); PTP-1D; SH-PTP2; Syp; SHP-2; anti-SHP2 (N-terminal Region) antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat, Mouse
Clonality	Monoclonal
Isotype	IgG1
Specificity	The antibody detects a 72 kDa* protein in human A431 and Jurkat cells, and mouse brain. This antibody does not cross-react with SHP1.
Purity/Purification	Protein A Purified
Form/Format	Mouse monoclonal antibody purified with protein A chromatography is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1 mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-SHP2 (N-terminal Region) antibody	WB (Western Blot), ELISA
Immunogen	Clone (M163) was generated from a recombinant protein containing amino acids in the N-terminal region of human SHP1. This sequence is highly conserved in rat and mouse SHP1.
Preparation and Storage	Store at -20 degree C. Do not aliquot.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-SHP2 (N-terminal Region) antibody

SHP1 (PTP1C, SH-PTP1, or HCP) is a protein-tyrosine phosphatase (PTP) involved in cell migration, cell proliferation, and immune cell function. This phosphatase contains two N-terminal SH2 domains and a C-terminal phosphatase domain. SHP1 associates with a variety of cytokine and growth factor receptors and regulates signal transduction through dephosphorylation of these receptors or their downstream effectors. Downstream of receptor activation, SHP1 regulates the transcriptional activity stimulated by JAK/Stat and MAPK pathways. SHP1 activity is regulated by both tyrosine and serine phosphorylation. Phosphorylation of Tyr-536 and Tyr-564 stimulates phosphatase activity and promotes interaction with Grb-2. Serine phosphorylation at Ser-591 is mediated by PKC-alpha and leads to inhibition of phosphatase activity. Thus, phosphorylation at tyrosine relative to serine residues may be regulated by different cell signaling pathways to control SHP1 activity.

References

- Qu, C.K. (2000) Cell Res. 10:279.
- Maroun, C. R. et al. (2000) Mol. Cell. Biol. 20:8513.
- Zhang, S. Q. et al. (2002) Mol. Cell. Biol. 22:4062.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/shp2-n-terminal-region-antibody-western-blot-elisa/71508>