

Phospho-SHP2 (Tyr542) Rabbit mAb
Catalog # AP77317**Specification****Phospho-SHP2 (Tyr542) Rabbit mAb - Product Information**

Application	WB
Primary Accession	Q06124
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	68011

Phospho-SHP2 (Tyr542) Rabbit mAb - Additional Information

Gene ID 5781

Other Names

PTPN11

Dilution

WB~~1/500-1/1000

Format

Liquid

Phospho-SHP2 (Tyr542) Rabbit mAb - Protein Information

Name PTPN11

Synonyms PTP2C, SHPTP2

Function

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](http://www.uniprot.org/citations/10655584), PubMed:[14739280](http://www.uniprot.org/citations/14739280), PubMed:[18559669](http://www.uniprot.org/citations/18559669), PubMed:[18829466](http://www.uniprot.org/citations/18829466), PubMed:[26742426](http://www.uniprot.org/citations/26742426), PubMed:[28074573](http://www.uniprot.org/citations/28074573)). Positively regulates MAPK signal transduction pathway (PubMed:[28074573](http://www.uniprot.org/citations/28074573)). Dephosphorylates GAB1, ARHGAP35 and EGFR (PubMed:[28074573](http://www.uniprot.org/citations/28074573)). Dephosphorylates ROCK2 at 'Tyr-722' resulting in stimulation of its RhoA binding activity (PubMed:[18559669](http://www.uniprot.org/citations/18559669)). Dephosphorylates CDC73 (PubMed:[26742426](http://www.uniprot.org/citations/26742426)). Dephosphorylates SOX9 on tyrosine residues, leading to

inactivate SOX9 and promote ossification (By similarity). Dephosphorylates tyrosine-phosphorylated NEDD9/CAS-L (PubMed:19275884).

Cellular Location

Cytoplasm. Nucleus

Tissue Location

Widely expressed, with highest levels in heart, brain, and skeletal muscle.

Phospho-SHP2 (Tyr542) Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Phospho-SHP2 (Tyr542) Rabbit mAb - Images