

SHP2 Rabbit mAb
Catalog # AP74848**Specification****SHP2 Rabbit mAb - Product Information**

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

SHP2 Rabbit mAb - Additional Information**Gene ID** 5781**Other Names**

PTPN11

Dilution

WB~~1/500-1/1000

IHC~~1/50-1/100

Format

Liquid

SHP2 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))

target="_blank">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.

SHP2 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](#)

SHP2 Rabbit mAb - Images



