

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

Application	WB
Primary Accession	<a href="#">Q06124</a>
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:<a href="http://www.uniprot.org/citations/19275884" target="\_blank">19275884</a>).

#### 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

