

**SHP2 Rabbit mAb**  
Catalog # AP78515**Specification**

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**SHP2 Rabbit mAb - Product Information**

Application	<b>WB, IP</b>
Primary Accession	<a href="#">Q06124</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>68011</b>

**SHP2 Rabbit mAb - Additional Information**

Gene ID 5781

**Other Names**

PTPN11

**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: [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](http://www.uniprot.org/citations/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**