

# SHP2 Rabbit mAb

Catalog # AP74848

## Product Information

---

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

## Additional Information

---

Gene ID	5781
Other Names	PTPN11
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IP~~N/A
Format	Liquid

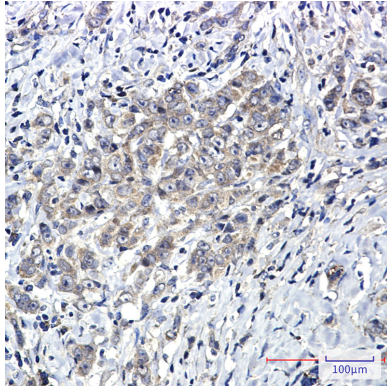
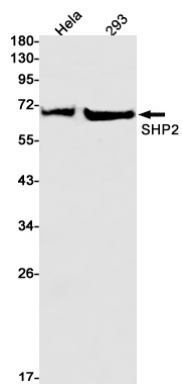
## Protein Information

---

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: <a href="#">10655584</a> , PubMed: <a href="#">14739280</a> , PubMed: <a href="#">18559669</a> , PubMed: <a href="#">18829466</a> , PubMed: <a href="#">26742426</a> , PubMed: <a href="#">28074573</a> ). Positively regulates MAPK signal transduction pathway (PubMed: <a href="#">28074573</a> ). Dephosphorylates GAB1, ARHGAP35 and EGFR (PubMed: <a href="#">28074573</a> ). Dephosphorylates ROCK2 at 'Tyr-722' resulting in stimulation of its RhoA binding activity (PubMed: <a href="#">18559669</a> ). Dephosphorylates CDC73 (PubMed: <a href="#">26742426</a> ). Dephosphorylates SOX9 on tyrosine residues, leading to inactivate SOX9 and promote ossification (By similarity). Dephosphorylates tyrosine-phosphorylated NEDD9/CAS-L (PubMed: <a href="#">19275884</a> ).
Cellular Location	Cytoplasm. Nucleus
Tissue Location	Widely expressed, with highest levels in heart, brain, and skeletal muscle.

## Images

---



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.