

PTPN11 / SHP-2 / NS1 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS11708**Specification**

PTPN11 / SHP-2 / NS1 Antibody (C-Terminus) - Product Information

Application	IHC
Primary Accession	Q06124
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68kDa KDa

PTPN11 / SHP-2 / NS1 Antibody (C-Terminus) - Additional Information**Gene ID** 5781**Other Names**

Tyrosine-protein phosphatase non-receptor type 11, 3.1.3.48, Protein-tyrosine phosphatase 1D, PTP-1D, Protein-tyrosine phosphatase 2C, PTP-2C, SH-PTP2, SHP-2, Shp2, SH-PTP3, PTPN11, PTP2C, SHPTP2

Target/Specificity

14 amino acid peptide from near the carboxy terminus of human SHP2

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

PTPN11 / SHP-2 / NS1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

PTPN11 / SHP-2 / NS1 Antibody (C-Terminus) - 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, PubMed:18559669, PubMed:18829466, PubMed:26742426, PubMed:28074573). Positively regulates MAPK signal transduction pathway (PubMed:28074573).

Dephosphorylates GAB1, ARHGAP35 and EGFR (PubMed:28074573). Dephosphorylates ROCK2 at 'Tyr-722' resulting in stimulation of its RhoA binding activity (PubMed:18559669). Dephosphorylates CDC73 (PubMed: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

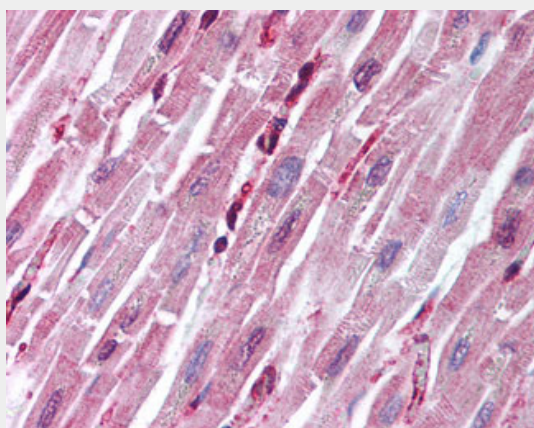
Tissue Location

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

PTPN11 / SHP-2 / NS1 Antibody (C-Terminus) - 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](#)

PTPN11 / SHP-2 / NS1 Antibody (C-Terminus) - Images

Anti-PTPN11 antibody IHC of human heart.

PTPN11 / SHP-2 / NS1 Antibody (C-Terminus) - Background

Acts downstream of various receptor and cytoplasmic protein tyrosine kinases to participate in the signal transduction from the cell surface to the nucleus. Dephosphorylates ROCK2 at Tyr-722 resulting in stimulation of its RhoA binding activity.

PTPN11 / SHP-2 / NS1 Antibody (C-Terminus) - References

Adachi M.,et al.FEBS Lett. 314:335-339(1992).
Freeman R.M. Jr.,et al.Proc. Natl. Acad. Sci. U.S.A. 89:11239-11243(1992).
Bastien L.,et al.Biochem. Biophys. Res. Commun. 196:124-133(1993).
Ahmad S.,et al.Proc. Natl. Acad. Sci. U.S.A. 90:2197-2201(1993).
Vogel W.,et al.Science 259:1611-1614(1993).