

PTPN11 / SHP-2 / NS1 Antibody (C-Terminus)
Goat Polyclonal Antibody
Catalog # ALS13396

Specification

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

Application	IHC
Primary Accession	Q06124
Reactivity	Human, Rabbit, Monkey, Chicken, Horse, Xenopus, Bovine
Host	Goat
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

Human PTPN11.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

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](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

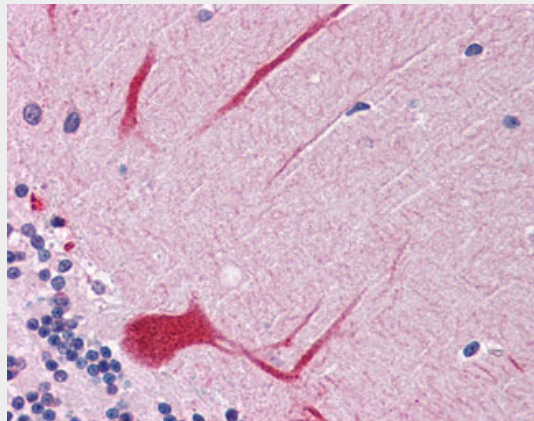
Widely expressed, with highest levels in heart, brain, and skeletal muscle.

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

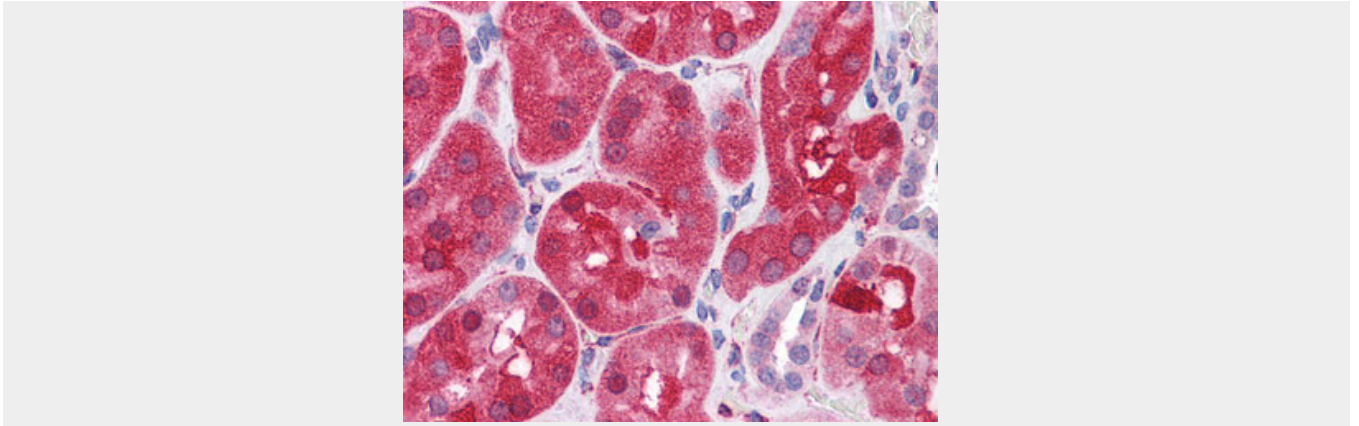
Provided below are standard protocols that you may find useful for product applications.

- [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 brain, cerebellum.



Anti-PTPN11 antibody IHC of human kidney.

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).