



[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

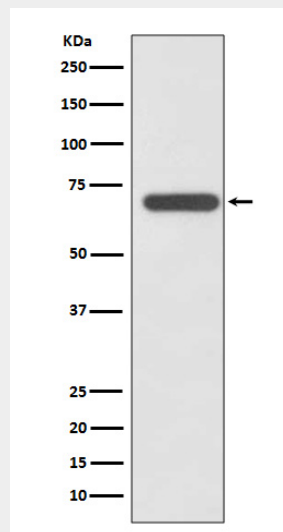
Widely expressed, with highest levels in heart, brain, and skeletal muscle.

## SHP2 Antibody - 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 Antibody - Images



Western blot analysis of SHP2 expression in A431 cell lysate.