

**FAP-1 / PTPN13 Antibody (aa2290-2491)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS12757****Specification**

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**FAP-1 / PTPN13 Antibody (aa2290-2491) - Product Information**

Application	IHC
Primary Accession	<a href="#">Q12923</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	277kDa KDa

**FAP-1 / PTPN13 Antibody (aa2290-2491) - Additional Information****Gene ID** 5783**Other Names**

Tyrosine-protein phosphatase non-receptor type 13, 3.1.3.48, Fas-associated protein-tyrosine phosphatase 1, FAP-1, PTP-BAS, Protein-tyrosine phosphatase 1E, PTP-E1, hPTPE1, Protein-tyrosine phosphatase PTPL1, PTPN13, PNP1, PTP1E, PTPL1

**Reconstitution & Storage**

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

**Precautions**

FAP-1 / PTPN13 Antibody (aa2290-2491) is for research use only and not for use in diagnostic or therapeutic procedures.

**FAP-1 / PTPN13 Antibody (aa2290-2491) - Protein Information****Name** PTPN13**Synonyms** PNP1, PTP1E, PTPL1**Function**

Tyrosine phosphatase which negatively regulates FAS-induced apoptosis and NGFR-mediated pro-apoptotic signaling (PubMed:<a href="http://www.uniprot.org/citations/15611135" target="\_blank">15611135</a>). May regulate phosphoinositide 3-kinase (PI3K) signaling through dephosphorylation of PIK3R2 (PubMed:<a href="http://www.uniprot.org/citations/23604317" target="\_blank">23604317</a>).

**Cellular Location**

Cytoplasm, cytoskeleton. Nucleus. Cell projection, lamellipodium. Note=Colocalizes with F-actin (PubMed:10826496). Colocalizes with PKN2 in lamellipodia-like structure, regions of large actin turnover (PubMed:11356191)

**Tissue Location**

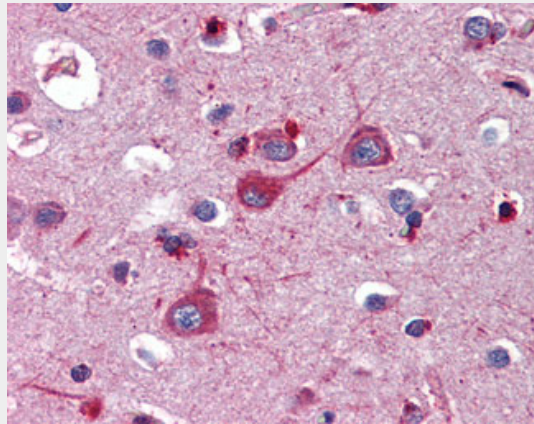
Expressed in keratinocytes (at protein level) (PubMed:29043977). Present in most tissues with the exception of the liver and skeletal muscle. Most abundant in lung, kidney and fetal brain.

### **FAP-1 / PTPN13 Antibody (aa2290-2491) - Protocols**

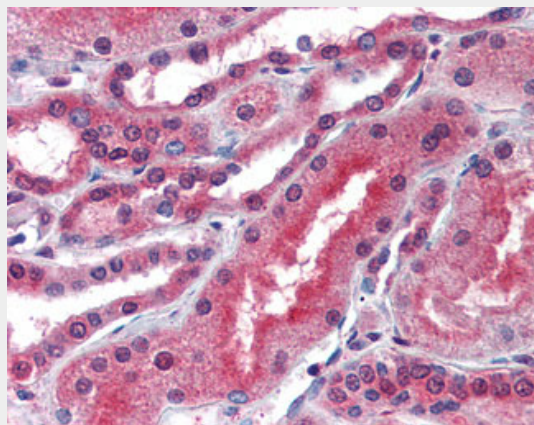
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **FAP-1 / PTPN13 Antibody (aa2290-2491) - Images**



Anti-PTPN13 antibody IHC of human brain, cortex.



Anti-PTPN13 antibody IHC of human kidney.

### **FAP-1 / PTPN13 Antibody (aa2290-2491) - Background**

Tyrosine phosphatase which regulates negatively FAS- induced apoptosis and NGFR-mediated pro-apoptotic signaling (PubMed:15611135). May regulate phosphoinositide 3-kinase (PI3K) signaling through dephosphorylation of PIK3R2 (PubMed:23604317).

**FAP-1 / PTPN13 Antibody (aa2290-2491) - References**

- Banville D.,et al.J. Biol. Chem. 269:22320-22327(1994).  
Maekawa K.,et al.FEBS Lett. 337:200-206(1994).  
Saras J.,et al.J. Biol. Chem. 269:24082-24089(1994).  
Wang H.-Y.,et al.Submitted (JUN-1994) to the EMBL/GenBank/DDBJ databases.  
Sato T.,et al.Science 268:411-415(1995).