

**JAG1 Antibody (C-Term)**  
Peptide-affinity purified goat antibody  
Catalog # AF3557a

**Specification**

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**JAG1 Antibody (C-Term) - Product Information**

Application	IHC
Primary Accession	<a href="#">P78504</a>
Other Accession	<a href="#">NP_000205.1</a> , <a href="#">182</a> , <a href="#">16449 (mouse)</a> , <a href="#">29146 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	133799

**JAG1 Antibody (C-Term) - Additional Information**

**Gene ID** 182

**Other Names**

Protein jagged-1, Jagged1, hj1, CD339, JAG1, JAGL1

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

JAG1 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**JAG1 Antibody (C-Term) - Protein Information**

**Name** JAG1

**Synonyms** JAGL1

**Function**

Ligand for multiple Notch receptors and involved in the mediation of Notch signaling (PubMed:<a href="http://www.uniprot.org/citations/18660822" target="\_blank">18660822</a>, PubMed:<a href="http://www.uniprot.org/citations/20437614" target="\_blank">20437614</a>). May be involved in cell-fate decisions during hematopoiesis (PubMed:<a href="http://www.uniprot.org/citations/9462510" target="\_blank">9462510</a>). Seems to be

involved in early and late stages of mammalian cardiovascular development. Inhibits myoblast differentiation (By similarity). Enhances fibroblast growth factor-induced angiogenesis (in vitro).

#### **Cellular Location**

Membrane; Single-pass type I membrane protein. Cell membrane

#### **Tissue Location**

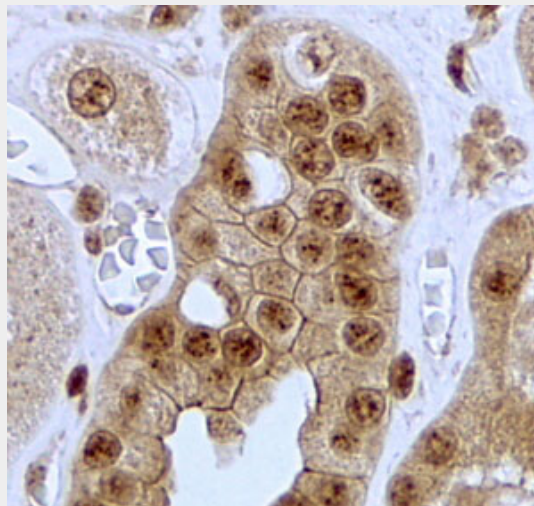
Widely expressed in adult and fetal tissues. In cervix epithelium expressed in undifferentiated subcolumnar reserve cells and squamous metaplasia. Expression is up-regulated in cervical squamous cell carcinoma. Expressed in bone marrow cell line HS-27a which supports the long-term maintenance of immature progenitor cells

### **JAG1 Antibody (C-Term) - 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](#)

### **JAG1 Antibody (C-Term) - Images**



AF3557a (2 µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.

### **JAG1 Antibody (C-Term) - References**

Plasminogen activator uPA is a direct transcriptional target of the JAG1-Notch receptor signaling pathway in breast cancer. Shimizu M, Cohen B, Goldvasser P, Berman H, Virtanen C, Reedijk M. Cancer Res. 2011 Jan 1;71(1):277-86. PMID: 21199807

### **JAG1 Antibody (C-Term) - Citations**

- [Jagged1 and DLL4 expressions in benign and malignant pancreatic lesions and their clinicopathological significance.](#)

