

**Jagged1 (JAG1) Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP6147a****Specification**

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**Jagged1 (JAG1) Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [P78504](#)  
Other Accession [NP\\_000205](#)

**Jagged1 (JAG1) Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 182

**Other Names**

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

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6147a](/product/products/AP6147a) was selected from the C-term region of human JAG1 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Jagged1 (JAG1) Antibody (C-term) Blocking peptide - Protein Information**

**Name** JAG1

**Synonyms** JAGL1

**Function**

Ligand for multiple Notch receptors and involved in the mediation of Notch signaling (PubMed: [18660822](http://www.uniprot.org/citations/18660822), PubMed: [20437614](http://www.uniprot.org/citations/20437614)). May be involved in cell-fate decisions during hematopoiesis (PubMed: [9462510](http://www.uniprot.org/citations/9462510)). 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

**Jagged1 (JAG1) Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**Jagged1 (JAG1) Antibody (C-term) Blocking peptide - Images****Jagged1 (JAG1) Antibody (C-term) Blocking peptide - Background**

JAG1 is the human homolog of the Drosophila jagged protein. Human jagged 1 is the ligand for the receptor notch 1, the latter a human homolog of the Drosophila jagged receptor notch. Mutations that alter the jagged 1 protein cause Alagille syndrome. Jagged 1 signalling through notch 1 has also been shown to play a role in hematopoiesis.

**Jagged1 (JAG1) Antibody (C-term) Blocking peptide - References**

LaVoie, M.J., et al., J. Biol. Chem. 278(36):34427-34437 (2003).Tohda, S., et al., Int. J. Oncol. 22(5):1073-1079 (2003).Lu, F., et al., Am. J. Hum. Genet. 72(4):1065-1070 (2003).Ascano, J.M., et al., J. Biol. Chem. 278(10):8771-8779 (2003).Masuya, M., et al., Int. J. Hematol. 75(3):269-276 (2002).