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

Synthetic peptide
Catalog # BP6147a

Specification

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 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, PubMed:20437614). May be involved in cell-fate decisions during hematopoiesis (PubMed: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 Drosophilia jagged protein. Human jagged 1 is the ligand for the receptor notch 1, the latter a human homolog of the Drosophilia 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).