

JAG1 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12146b**Specification**

JAG1 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [P78504](#)**JAG1 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 182**Other Names**

Protein jagged-1, Jagged1, hJ1, CD339, JAG1, JAGL1

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.

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

JAG1 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

JAG1 Antibody (C-term) Blocking peptide - Images

JAG1 Antibody (C-term) Blocking peptide - Background

The jagged 1 protein encoded by 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 jagged1 protein cause Alagille syndrome. Jagged 1 signalling through notch 1 has also been shown to play a role in hematopoiesis.

JAG1 Antibody (C-term) Blocking peptide - References

Foldi, J., et al. J. Immunol. 185(9):5023-5031(2010) Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Kerns, D., et al. Schizophr. Res. 120 (1-3), 150-158 (2010) :Siar, C.H., et al. Eur. J. Med. Res. 15(4):180-184(2010) Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :