

Datasheet

JAG1 polyclonal antibody

Catalog Number: PAB9954

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of JAG1.

Immunogen: A synthetic peptide corresponding to amino acids 110-125 of human JAG1.

Host: Rabbit

Reactivity: Clawed frog, Dog, Human

Applications: ELISA, IF, IHC-P, WB-Ti
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Recommend Usage: ELISA (1:5000-1:20000)
Western Blot (1:500-1:2000)
Immunohistochemistry (1:100-1:500)
Immunofluorescence (1:200-1:1000)
The optimal working dilution should be determined by the end user.

Storage Buffer: In 20 mM KH₂PO₄, 150 mM NaCl, pH 7.2 (0.01% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 182

Gene Symbol: JAG1

Gene Alias: AGS, AHD, AWS, CD339, HJ1, JAGL1, MGC104644

Gene Summary: 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 jagged 1 protein cause Alagille syndrome. Jagged 1 signalling through notch 1 has also been shown to play a role in hematopoiesis. [provided by RefSeq]

References:

1. Immunohistological localization of Notch receptors and their ligands Delta and Jagged in synovial tissues of rheumatoid arthritis. Yabe Y, Matsumoto T, Tsurumoto T, Shindo H. J Orthop Sci. 2005 Nov;10(6):589-94.
2. Crosstalk between Jagged1 and GDNF/Ret/GFRalpha1 signalling regulates ureteric budding and branching. Kuure S, Sainio K, Vuolteenaho R, Ilves M, Wartiovaara K, Immonen T, Kvist J, Vainio S, Sariola H. Mech Dev. 2005 Jun;122(6):765-80.
3. Complementation of human papillomavirus type 16 E6 and E7 by Jagged1-specific Notch1-phosphatidylinositol 3-kinase signaling involves pleiotropic oncogenic functions independent of CBF1;Su(H);Lag-1 activation. Veeraraghavalu K, Subbaiah VK, Srivastava S, Chakrabarti O, Syal R, Krishna S. J Virol. 2005 Jun;79(12):7889-98.