

Jagged 2 (JAG2) Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6148A**Specification**

Jagged 2 (JAG2) Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O9Y219
Other Accession	NP_002217
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	133367
Antigen Region	1209-1238

Jagged 2 (JAG2) Antibody (C-term) - Additional Information**Gene ID** 3714**Other Names**

Protein jagged-2, Jagged2, hJ2, JAG2

Target/Specificity

This Jagged 2 (JAG2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1209-1238 amino acids from the C-terminal region of human Jagged 2 (JAG2).

Dilution

WB~~1:1000

IHC-P~~1:50~100

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

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

Precautions

Jagged 2 (JAG2) Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Jagged 2 (JAG2) Antibody (C-term) - Protein Information**Name** JAG2

Function Putative Notch ligand involved in the mediation of Notch signaling. Involved in limb development (By similarity).

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

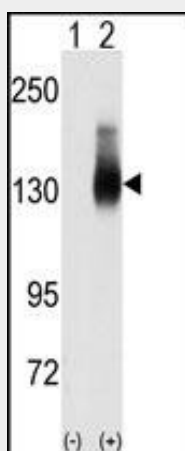
Expressed in heart, placenta and skeletal muscle and to a lesser extent in pancreas. Very low expression in brain, lung, liver and kidney

Jagged 2 (JAG2) Antibody (C-term) - Protocols

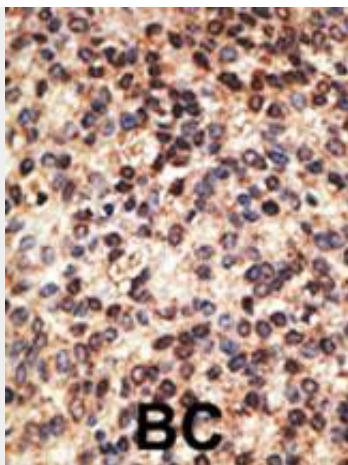
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Jagged 2 (JAG2) Antibody (C-term) - Images



Western blot analysis of Jag2 (arrow) using JAG2 Antibody (C-term) (Cat.#AP6148a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the JAG2 gene (Lane 2) (Origene Technologies).



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

Jagged 2 (JAG2) Antibody (C-term) - Background

The Notch signaling pathway is an intercellular signaling mechanism that is essential for proper embryonic development. Members of the Notch gene family encode transmembrane receptors that are critical for various cell fate decisions. JAG2 is one of several ligands that activate Notch and related receptors.

Jagged 2 (JAG2) Antibody (C-term) - References

Hayashi, T., et al., J. Androl. 22(6):999-1011 (2001).
Lindner, V., et al., Am. J. Pathol. 159(3):875-883 (2001).
Cereseto, A., et al., J. Cell. Physiol. 185(3):425-431 (2000).
Tsai, S., et al., Blood 96(3):950-957 (2000).
Deng, Y., et al., Genomics 63(1):133-138 (2000).

Jagged 2 (JAG2) Antibody (C-term) - Citations

- [Matrix Gla protein regulates differentiation of endothelial cells derived from mouse embryonic stem cells.](#)