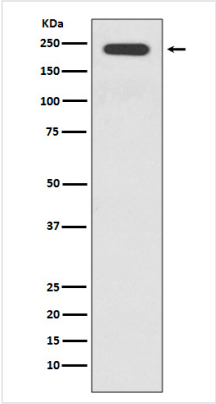
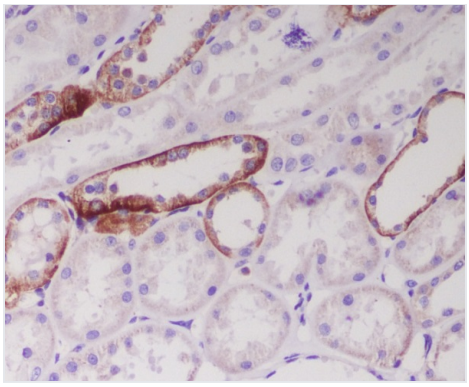
JAG1 Antibody – Rabbit Monoclonal

PRODUCT OVERVIEW

Product Name	JAG1, Monoclonal Antibody
Full Product Name	Anti-JAG1 Rabbit Monoclonal Antibody
Product Gene Name	anti-JAG1 antibody
Clonality	Monoclonal
Isotype	IgG
Clone Number	17J22
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Purity/Purification	Affinity-chromatography
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure. (lot specific)
Preparation and Storage	Store at -20 degree C for one year. For short term storage and frequent use, store at 4 degree C for up to one month. Avoid repeated freeze-thaw cycles.
Molecular Weight	Predicted: 134 kDa Observed: 130 kDa
OMIM	phenotype 601920
3D Structure	ModBase 3D Structure for P78504
Immunogen	A synthesized peptide derived from human JAG1
Product Categories/Family for anti-JAG1 antibody	Primary Antibodies, Rabbit Monoclonal Antibodies
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-JAG1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-JAG1 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-JAG1 antibody	MBS1756581 is an antibody targeting JAG1. Also known as Anti-JAG1 Rabbit Monoclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-JAG1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-JAG1 antibody
Western blot analysis of JAG1 expression in HepG2 cell lysate.



Immunohistochemistry (IHC) of anti-JAG1 antibody
Immunohistochemical analysis of paraffin-embedded human kidney, using JAG1 Antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for JAG1. It may not necessarily be applicable to this product.

NCBI GI #	4557679
NCBI GeneID	182
NCBI Accession #	NP_000205
UniProt Primary Accession #	P78504
UniProt Secondary Accession #	O14902; O15122; Q15816; A0AV43; B4DYR1; E9PCF9
UniProt Related Accession #	P78504
GenBank Nucleotide #	NM_000214.2
NCBI Official Full Name	protein jagged-1
NCBI Official Synonym Full Names	jagged 1
NCBI Official Symbol	JAG1
NCBI Official Synonym Symbols	AGS; AHD; AWS; HJ1; CD339; JAGL1
UniProt Protein Name	Protein jagged-1
UniProt Synonym Protein Names	CD_antigen: CD339
Protein Family	Protein jagged
UniProt Gene Name	JAG1
UniProt Synonym Gene Names	JAGL1; Jagged1; hJ1
UniProt Entry Name	JAG1_HUMAN
NCBI Protein Information	protein jagged-1
NCBI Summary for JAG1	The jagged 1 protein encoded by 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. [provided by RefSeq, Jul 2008]

UniProt Comments for JAG1	JAG1: Ligand for multiple Notch receptors and involved in the mediation of Notch signaling. May be involved in cell-fate decisions during hematopoiesis. Seems to be involved in early and late stages of mammalian cardiovascular development. Inhibits myoblast differentiation. Enhances fibroblast growth factor-induced angiogenesis (in vitro). Interacts with NOTCH2 and NOTCH3. Interacts with NOTCH1 (in the presence of calcium ions). 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. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 20p12.1-p11.23 Cellular Component: membrane; apical part of cell; integral to plasma membrane; extracellular region; plasma membrane Molecular Function: protein binding; growth factor activity; calcium ion binding; structural molecule activity; Notch binding Biological Process: endothelial cell differentiation; nervous system development; Notch signaling pathway; positive regulation of myeloid cell differentiation; T cell mediated immunity; Notch receptor processing; auditory receptor cell differentiation; cell fate determination; negative regulation of fat cell differentiation; regulation of cell migration; regulation of cell proliferation; keratinocyte differentiation; myoblast differentiation; positive regulation of osteoblast differentiation; negative regulation of neuron differentiation; response to muramyl dipeptide; morphogenesis of an epithelial sheet; positive regulation of transcription from RNA polymerase II promoter; hemopoiesis; blood vessel remodeling; angiogenesis; positive regulation of Notch signaling pathway Disease: Tetralogy Of Fallot; Alagille Syndrome 1
Research Articles on JAG1	**1.** High cytoplasmic Jagged1 expression is associated with laryngeal cancer.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/jag1/1756581