

JAG1 monoclonal antibody, clone J1G53-3

Catalog # MAB16041 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human JAG1.
Immunogen	Recombinant protein corresponding to human JAG1.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1, kappa
Recommend Usage	ELISA (1:500-5000) Flow Cytometry (1:20-100) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Western Blot (1:500-5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4.
Storage Instruction	For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Enzyme-linked Immunoabsorbent Assay
- Flow Cytometry

Gene Info — JAG1

Entrez GeneID [182](#)

Protein Accession# [P78504](#)

Gene Name JAG1

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

Gene Description jagged 1 (Alagille syndrome)

Omim ID [118450](#) [187500](#) [601920](#)

Gene Ontology [Hyperlink](#)

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]

Other Designations OTTHUMP00000030278jagged 1

Pathway

- [Notch signaling pathway](#)

Disease

- [Alagille Syndrome](#)
- [Alzheimer disease](#)
- [Brain Diseases](#)
- [CADASIL](#)
- [Cardiovascular Diseases](#)
- [Cerebral Amyloid Angiopathy](#)
- [Chromosome Deletion](#)

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Down Syndrome](#)
- [Edema](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Heart Defects](#)
- [Hepatitis C](#)
- [Kidney Failure](#)
- [Multiple Sclerosis](#)
- [Neuroblastoma](#)
- [Osteoporosis](#)
- [Pulmonary Valve Stenosis](#)
- [Tetralogy of Fallot](#)