

**Anti-Jagged-2 (RABBIT) Antibody**  
**Jagged 2 Antibody**  
**Catalog # ASR5294**

**Specification**

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**Anti-Jagged-2 (RABBIT) Antibody - Product Information**

|                  |   |
|------------------|---|
| Host             | Rabbit  |
| Conjugate        | Unconjugated  |
| Target Species   | Mouse   |
| Reactivity       | Mouse   |
| Clonality        | Polyclonal  |
| Application      | WB, E, I, LCI   |
| Application Note | Anti-Jagged-2 Antibody has been tested for use in ELISA against the immunizing peptide. Reactivity in other immunoassays including western blot, immunohistochemistry, and immunofluorescence is expected.  |
| Physical State   | Liquid (sterile filtered)   |
| Buffer           | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2  |
| Immunogen        | Anti-Jagged-2 [RABBIT] Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 111-128 of Mouse Jagged-2. Jagged 2 is a Notch ligand, which shows distinct expression patterns in the developing and adult brain that overlaps that of Notch1. Swiss Prot accession Q9QYE5. Expected to cross-react with rat Jagged-2. |
| Preservative     | 0.01% (w/v) Sodium Azide  |

**Anti-Jagged-2 (RABBIT) Antibody - Additional Information**

**Gene ID** 16450

**Other Names**  
3714

**Purity**

Anti-Jagged-2 Antibody produced repeated immunizations with a synthetic peptide corresponding to residues near the middle of the mouse Jagged 2 protein and purified by immunoaffinity chromatography using the immunizing peptide after immobilization to a solid phase.

**Storage Condition**

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted

liquid. Dilute only prior to immediate use.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

**Anti-Jagged-2 (RABBIT) Antibody - Protein Information**

**Name** Jag2

**Function**

Putative Notch ligand involved in the mediation of Notch signaling. Plays an essential role during limb, craniofacial and thymic development. May be involved in myogenesis and in the development of peripheral and central nervous systems.

**Cellular Location**

Membrane; Single-pass type I membrane protein.

**Tissue Location**

Found to be highest in fetal thymus, epidermis, foregut dorsal root ganglia and inner ear. In 2-week-old mice, abundant in heart, lung, thymus, skeletal muscle, brain and testis. Expression overlaps partially with Notch1 expression

**Anti-Jagged-2 (RABBIT) Antibody - 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](#)

**Anti-Jagged-2 (RABBIT) Antibody - Images****Anti-Jagged-2 (RABBIT) Antibody - Background**

Jagged 2 antibody detect the Jagged protein. Jagged 2 is a Notch ligand, which shows distinct expression patterns in the developing and adult brain that overlaps that of Notch1. 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. The protein encoded by this gene is one of several ligands that activate Notch and related receptors. Two transcript variants encoding different isoforms have been found for this gene. Anti-Jagged 2 antibody is ideal for investigators involved in developmental biology research.