

**Anti-Jagged 2 Picoband Antibody**  
**Catalog # ABO11946****Specification**

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**Anti-Jagged 2 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q9Y219</a>
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Protein jagged-2(JAG2) detection. Tested with WB in Human;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-Jagged 2 Picoband Antibody - Additional Information**

**Gene ID** 3714

**Other Names**

Protein jagged-2, Jagged2, hJ2, JAG2

**Calculated MW**

133367 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human, Rat<br>

**Subcellular Localization**

Membrane; Single-pass type I membrane protein.

**Tissue Specificity**

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

**Protein Name**

Protein jagged-2

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**Immunogen**

E.coli-derived human Jagged 2 recombinant protein (Position: R962-E1238). Human Jagged 2 shares 85% and 79% amino acid (aa) sequence identity with mouse and rat Jagged 2, respectively.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Sequence Similarities**

Contains 1 DSL domain.

**Anti-Jagged 2 Picoband Antibody - 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.

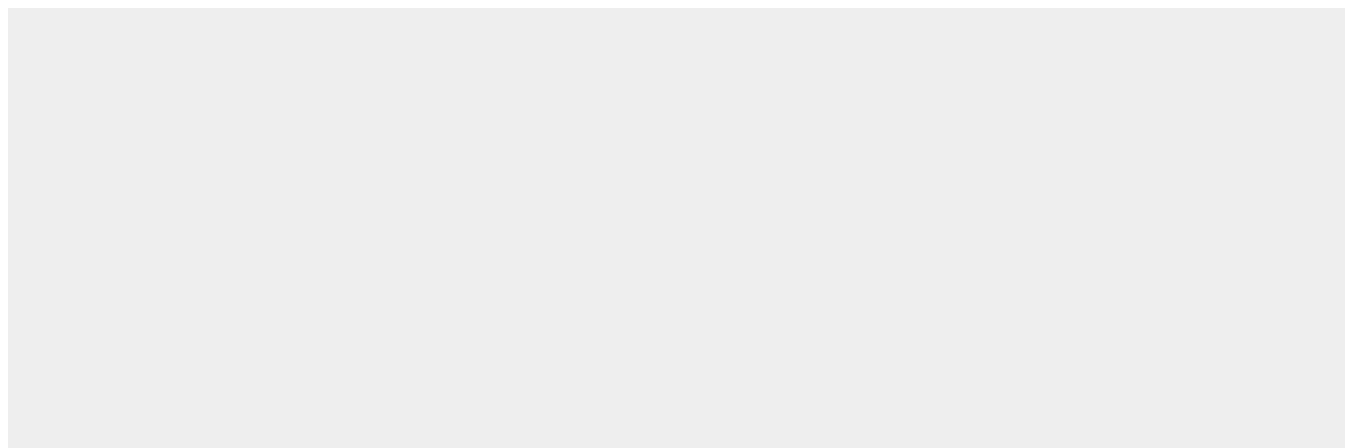
**Tissue Location**

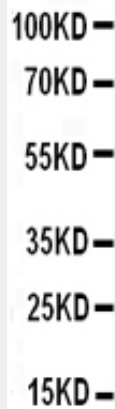
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**Anti-Jagged 2 Picoband Antibody - Protocols**

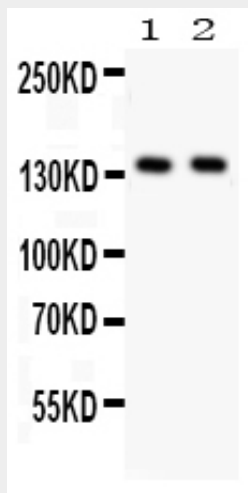
Provided below are standard protocols that you may find useful for product applications.

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

**Anti-Jagged 2 Picoband Antibody - Images**



Anti- Picoband antibody, PB, Western blottingAll lanes: Anti Jagged 2 (ABO11946) at 0.5ug/mlWB:  
Recombinant Human Jagged 2 Protein 0.5ngPredicted bind size: 39 KDobserved bind size: 39 KD



Anti- Picoband antibody, PB, Western blottingAll lanes: Anti Jagged 2 (ABO11946) at 0.5ug/mlLane 1: Rat Cardiac Muscle Tissue Lysate at 50ugLane 2: Human Placenta Tissue Lysate at 50ugPredicted bind size: 134KDobserved bind size: 134KD

### Anti-Jagged 2 Picoband Antibody - Background

Protein jagged-2, also known as SER2, is a protein that in humans is encoded by the JAG2 gene. It is mapped to 14q32.33. The protein encoded by this gene is one of several ligands that activate Notch and related receptors. Notch ligands Delta1 and JAG2 are subject to presenilin-dependent, intramembranous gamma-secretase processing, resulting in the production of soluble intracellular derivatives. JAG2 can promote the growth and dissemination of uveal melanoma cells.