**Jagged1 (21): sc-135955**

**BACKGROUND**

The LIN-12/Notch family of transmembrane receptors is believed to play a central role in development by regulating cell fate decisions. Ligands for Notch include Jagged1, Jagged2 and Delta. Jagged is a membrane protein and can activate Notch and prevent myoblast differentiation by inhibiting the expression of muscle regulatory and structural genes. It is involved in mammalian cardiovascular development and in cell-fate decisions during hematopoiesis. Jagged is expressed in adult and fetal tissues, and expression is upregulated in cervical squamous cell carcinoma. Familial tetralogy of fallot, the most common form of complex congenital heart disease, is caused by a mutation in the Jagged1 gene.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: JAG1 (human) mapping to 20p12.2; Jag1 (mouse) mapping to 2 F3.

**SOURCE**

Jagged1 (21) is a mouse monoclonal antibody raised against amino acids 1015-1207 of Jagged1 of human origin.

**PRODUCT**

Each vial contains 200 µg IgG in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

Jagged1 (21) is available conjugated to agarose (sc-135955 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; and to HRP (sc-135955 HRP), 200 µg/ml, for WB, IHC(PI) and ELISA.

**STORAGE**

Store at 4°C, **“DO NOT FREEZE”**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**PROTOCOLS**

See our web site at www.scbt.com for detailed protocols and support products.

**APPLICATIONS**

Jagged1 (21) is recommended for detection of Jagged1 of mouse, rat, human and canine origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)].

Suitable for use as control antibody for Jagged1 siRNA (h): sc-37202, Jagged1 siRNA (m): sc-37203, Jagged1 siRNA (r): sc-61881, Jagged1 siRNA Plasmid (h): sc-37202-SH, Jagged1 siRNA Plasmid (m): sc-37203-SH, Jagged1 siRNA Plasmid (r): sc-61881-SH, Jagged1 shRNA (h) Lentiviral Particles: sc-37202-V, Jagged1 shRNA (m) Lentiviral Particles: sc-37203-V and Jagged1 shRNA (r) Lentiviral Particles: sc-61881-V.

Molecular Weight of Jagged1: 150 kDa.

Positive Controls: Raji whole cell lysate: sc-364236, RAW 264.7 whole cell lysate: sc-2211 or mouse embryo extract: sc-364239.

**DATA**

![Jagged1 Western Blot](Image)

**SELECT PRODUCT CITATIONS**


**RESEARCH USE**

For research use only, not for use in diagnostic procedures. Not for resale.

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