

## Jagged1 Rabbit pAb

Catalog Number: bs-1448R

Target Protein: Jagged1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-1000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100)

Reactivity: Human (predicted:Mouse, Rat)

Predicted MW: 134 kDa

Entrez Gene: 182

Swiss Prot: P78504

Source: KLH conjugated synthetic peptide derived from human CD339: 1101-1218/1218.

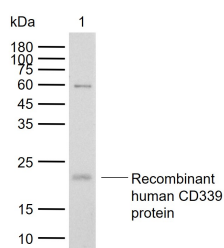
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

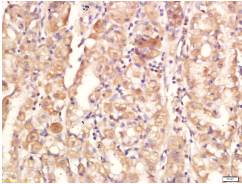
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** 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].

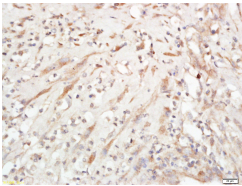
### VALIDATION IMAGES



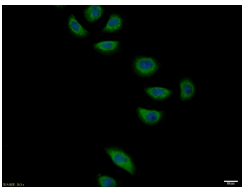
Sample: Lane 1: Recombinant human CD339 protein, N-His(bs-42225P) Primary: Anti-Jagged1 (bs-1448R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 134 kDa Observed band size: 22 kDa



Tissue/cell: human stomach tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Jagged1 Polyclonal Antibody, Unconjugated(bs-1448R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: Human cervical cancer; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Jagged1 Polyclonal Antibody, Unconjugated(bs-1448R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Jagged1) polyclonal Antibody, Unconjugated (bs-1448R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=5.6] Wang Kun. et al. Modulating Th1/Th2 drift in asthma-related immune inflammation by enhancing bone mesenchymal stem cell homing through targeted inhibition of the Notch1/Jagged1 signaling pathway. INT IMMUNOPHARMACOL. 2024 Mar;130:111713 WB ; Rat . 38387192

[IF=4.8] Qing Zhang. et al. Cancer-associated fibroblasts-induced remodeling of tumor immune microenvironment via Jagged1 in glioma. CELL SIGNAL. 2024 Mar;115:111016 WB ; Human . 38128708

[IF=4.927] Xuerui Hu. et al. The Effect of Poria cocos Polysaccharide PCP-1C on M1 Macrophage Polarization via the Notch Signaling Pathway. MOLECULES. 2023 Jan;28(5):2140 WB ; Mouse . 36903383

[IF=4.315] Zhang Y et al. The Notch signaling pathway inhibitor Dapt alleviates autism-like behavior, autophagy and dendritic spine density abnormalities in a valproic acid-induced animal model of autism. Prog Neuropsychopharmacol Biol Psychiatry. 2019 May 7;94:109644. WB ; Rat . 31075347

[IF=3.647] Jianfei Shi. et al. Matrine promotes hepatic oval cells differentiation into hepatocytes and alleviates liver injury by suppression of Notch signalling pathway. Life Sci. 2020 Nov;261:118354 WB,IHC ; Human . 32866517