

---

## Activated Notch1 Rabbit pAb

Catalog Number: bs-20252R

Target Protein: Activated Notch1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse (predicted:Rat, Rabbit, Pig, Cow, Dog, GuineaPig)

Predicted MW: 271 kDa

Entrez Gene: 4851

Swiss Prot: P46531

Source: KLH conjugated synthetic peptide derived from human N-terminal sequence of the cleaved Notch1 intracellular domain: 1754-1800/2555.

Purification: affinity purified by Protein A

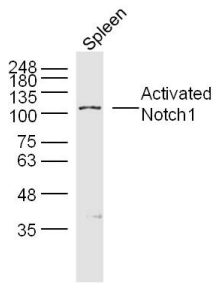
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

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

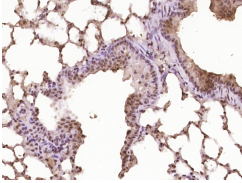
**Background:** This gene encodes a member of the Notch family. Members of this Type 1 transmembrane protein family share structural characteristics including an extracellular domain consisting of multiple epidermal growth factor-like (EGF) repeats, and an intracellular domain consisting of multiple, different domain types. Notch family members play a role in a variety of developmental processes by controlling cell fate decisions. The Notch signaling network is an evolutionarily conserved intercellular signaling pathway which regulates interactions between physically adjacent cells. In *Drosophila*, notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signaling pathway that plays a key role in development. Homologues of the notch-ligands have also been identified in human, but precise interactions between these ligands and the human notch homologues remain to be determined. This protein is cleaved in the trans-Golgi network, and presented on the cell surface as a heterodimer. This protein functions as a receptor for membrane bound ligands, and may play multiple roles during development. [provided by RefSeq, Jul 2008].

### VALIDATION IMAGES

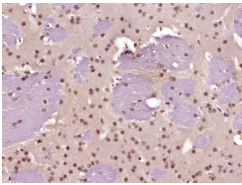
---



Sample:spleen (mouse) Lysate at 40 ug Primary: Anti-Activated Notch1(bs-20252R)at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution Predicted band size: 86kD Observed band size: 107kD



Paraformaldehyde-fixed, paraffin embedded (Mouse lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Activated Notch1) Polyclonal Antibody, Unconjugated (bs-20252R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Activated Notch1) Polyclonal Antibody, Unconjugated (bs-20252R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

**[IF=3.8]** Zhan Ping. et al. The activation of the Notch signaling pathway by UBE2C promotes the proliferation and metastasis of hepatocellular carcinoma. SCI REP-UK. 2024 Oct;14(1):1-15 IHC ; Human . 39353974

**[IF=2.9]** Xiao-yue Guan. et al. Blocking Gremlin1 inhibits M1 macrophage polarization through Notch1/Hes1 signaling pathway in apical periodontitis. IMMUNOPHARM IMMUNOT. 2024 八月 27 IHC ; Rat . 39134472