

**bs-11976R****[ Primary Antibody ]****NOTCH1 Rabbit pAb****Bioss**  
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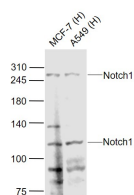
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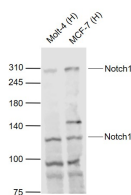
400-901-9800

**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 4851**SWISS:** P46531**Target:** NOTCH1**Immunogen:** KLH conjugated synthetic peptide derived from human NOTCH1: 1651-1750/2555. < Extracellular >**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

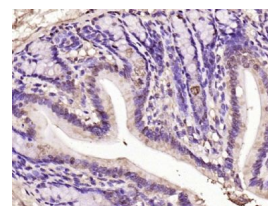
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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].**Applications:** **WB** (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 271 kDa**Subcellular Location:** Cell membrane ,Nucleus**— VALIDATION IMAGES —**

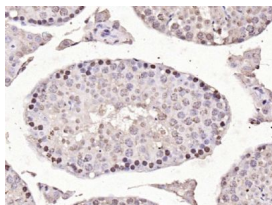
Sample: Lane 1: MCF-7 (Human) Cell Lysate at 30 ug  
 Lane 2: A549 (Human) Cell Lysate at 30 ug  
 Primary: Anti-Notch1 (bs-11976R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 270/120/110 kD  
 Observed band size: 270/110 kD



Sample: Lane 1: Molt-4 (Human) Cell Lysate at 30 ug  
 Lane 2: MCF-7 (Human) Cell Lysate at 30 ug  
 Primary: Anti-Notch1 (bs-11976R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 270/110/120 kD  
 Observed band size: 270/110 kD



Paraformaldehyde-fixed, paraffin embedded (rat colon); 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 (NOTCH1) Polyclonal Antibody, Unconjugated (bs-11976R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse testis); 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 (NOTCH1) Polyclonal Antibody, Unconjugated (bs-11976R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

## — SELECTED CITATIONS —

- **[IF=5.4]** Ying Yang. et al. Arjunolic acid ameliorates lipopolysaccharide-induced depressive behavior by inhibiting neuroinflammation via microglial SIRT1/AMPK/Notch1 signaling pathway. J ETHNOPHARMACOL. 2024 Aug;330:118225 WB ;Mouse. 38670408
- **[IF=3.1]** Liu Junhao. et al. Tanshinol ameliorates imiquimod-induced psoriasis by inhibiting M1 macrophage polarization through suppression of the notch signaling pathway. N-S ARCH PHARMACOL. 2024 Jun;;1-14 IF ;Mouse. 38832986
- **[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
- **[IF=2.5]** Yunxia Zhao. et al. A potential target of GXYLT2 affecting the prognosis of gastric cancer by enhancing the EMT process: A clinical retrospective study. ONCOL LETT. 2025 Jan;29(1):1-9 IHC ;Human. 39492929
- **[IF=1.4]** Cheng Geng. et al. The role of ischaemia-modified albumin in the prognosis of acute pancreatitis and its correlation with the NF-κB-mediated inflammatory response. J INT MED RES. ;(): IHC ;Human. 39474645