

## **Product datasheet for TA321861S**

## **NOTCH1 Rabbit Polyclonal Antibody**

**Product data:** 

**Product Type:** Primary Antibodies

Applications: WB

Recommended Dilution: WB: 200-1000

WB positive control: HT-29 cells

Reactivity: Human, Rat

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**Immunogen:** Synthetic peptide corresponding to a region derived from 2541-2555 amino acids of human

notch 1

Formulation: PBS pH7.3, 0.05% NaN3, 50% glycerol

**Purification:** Antigen affinity purification

Conjugation: Unconjugated

Storage: Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

Predicted Protein Size: 273 kDa

Gene Name: notch 1

Database Link: NP 060087

Entrez Gene 25496 RatEntrez Gene 4851 Human

P46531



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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 Drosophilia, 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.

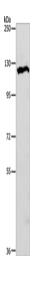
**Synonyms:** AOS5; AOVD1; hN1; TAN1

**Protein Families:** Adult stem cells, Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPS, Stem cell

relevant signaling - DSL/Notch pathway

**Protein Pathways:** Dorso-ventral axis formation, Notch signaling pathway, Prion diseases

## **Product images:**



Gel: 8%SDS-PAGE Lysate: 60 μg Lane: HT29 cells

Primary antibody: [TA321861] (NOTCH1 Antibody)

at dilution 1/300

Secondary antibody: Goat anti rabbit IgG at

1/8000 dilution

Exposure time: 1 minute