# Cleaved-NOTCH1 (V1754) Polyclonal Antibody

**Catalog Number:E-AB-30054**

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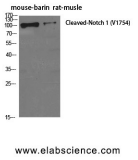
***Note:*** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

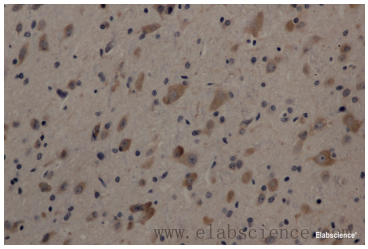
| | |
|---|---|
| **Reactivity** | Human,Mouse,Rat |
| **Immunogen** | Synthesized peptide derived from the Internal region of human Notch 1 |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Purification** | Affinity purification |
| **Conjugation** | Unconjugated |
| **Formulation** | PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4 |

| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:500-2000 |
| **IHC** | 1:50-300 |
| **IF** | 1:50-300 |

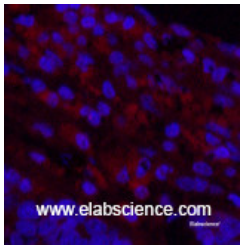
## Data




Western Blot analysis of Mouse brain, Rat musle using Cleaved-NOTCH1 (V1754) Polyclonal Antibody at dilution of 1:500.
**Observed Mw:110kDa**
**Calculated Mw:273kDa**




Immunohistochemistry of paraffin-embedded Rat brain using Cleaved-NOTCH1 (V1754) Polyclonal Antibody at dilution of 1:200




Immunofluorescence analysis of Human lung cancer tissue using Cleaved-NOTCH1 (V1754) Polyclonal Antibody at dilution of 1:200.

## Preparation & Storage

| | |
|---|---|
| **Storage** | Store at -20℃. Avoid freeze / thaw cycles. |

## Background

**For Research Use Only**

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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.


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