

## Notch1 Rabbit mAb

Catalog No: #52468

Package Size: #52468-1 50ul #52468-2 100ul

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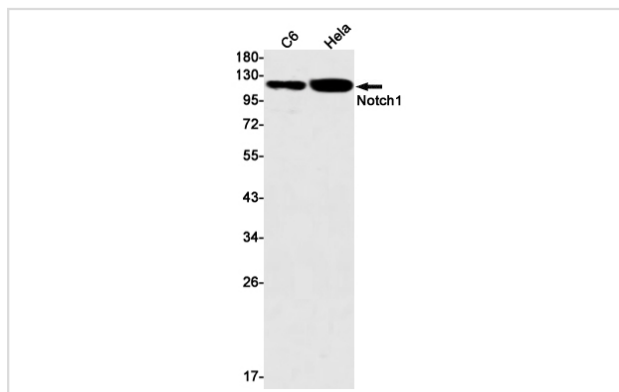
## Description

|                       |  |
|-----------------------|--|
| Product Name          | Notch1 Rabbit mAb  |
| Host Species          | Recombinant Rabbit   |
| Clonality             | Monoclonal antibody  |
| Clone No.             | S02-2G9  |
| Isotype               | Rabbit IgG   |
| Purification          | Affinity Purified  |
| Applications          | WB   |
| Species Reactivity    | Human,Mouse,Rat  |
| Immunogen Description | A synthetic peptide of human Notch1  |
| Conjugates            | Unconjugated   |
| Modification          | Unmodification   |
| Other Names           | hN1; AOS5; TAN1; AOVD1   |
| Accession No.         | Swiss-Prot:P46531GenelD:4851   |
| Calculated MW         | Calculated MW: 273 kDa; Observed MW: 120 kDa   |
| Formulation           | 50nM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA    |
| Storage               | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

## Application Details

WB: 1/1000;

## Images



Western blot detection of Notch1 in C6,HeLa cell lysates using Notch1 Rabbit mAb(1:1000 diluted).Predicted band size:273kDa.Observed band size:120kDa.

## Background

Swiss-Prot Acc.P46531.Functions as a receptor for membrane-bound ligands Jagged-1 (JAG1), Jagged-2 (JAG2) and Delta-1 (DLL1) to regulate cell-fate determination. Upon ligand activation through the released notch intracellular domain (NICD) it forms a transcriptional activator complex with RBPJ/RBPSUH and activates genes of the enhancer of split locus. Affects the implementation of differentiation, proliferation and apoptotic programs.

Involved in angiogenesis; negatively regulates endothelial cell proliferation and migration and angiogenic sprouting. Involved in the maturation of both CD4+ and CD8+ cells in the thymus. Important for follicular differentiation and possibly cell fate selection within the follicle. During cerebellar development, functions as a receptor for neuronal DNER and is involved in the differentiation of Bergmann glia. Represses neuronal and myogenic differentiation. May play an essential role in postimplantation development, probably in some aspect of cell specification and/or differentiation. May be involved in mesoderm development, somite formation and neurogenesis. May enhance HIF1A function by sequestering HIF1AN away from HIF1A. Required for the THBS4 function in regulating protective astrogenesis from the subventricular zone (SVZ) niche after injury. Involved in determination of left/right symmetry by modulating the balance between motile and immotile (sensory) cilia at the left-right organiser (LRO).

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.