

Cleaved-Notch 1 (V1754) Polyclonal Antibody

Catalog # AP63142

Specification

Cleaved-Notch 1 (V1754) Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host Clonality

WB, IHC-P, IF P46531 Human, Mouse, Rat Rabbit **Polyclonal**

Cleaved-Notch 1 (V1754) Polyclonal Antibody - Additional Information

Gene ID 4851

Other Names

NOTCH1; TAN1; Neurogenic locus notch homolog protein 1; Notch 1; hN1; Translocation-associated notch protein TAN-1

Dilution

WB~~WB 1:500-2000, IHC-p 1:50-300, IF 1:50-300 IF~~WB 1:500-2000, IHC-p 1:50-300, IF 1:50-300

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Cleaved-Notch 1 (V1754) Polyclonal Antibody - Protein Information

Name NOTCH1

Synonyms TAN1

Function

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 RBPI/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).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q01705}; Single-pass type I membrane protein. Late endosome membrane; Single-pass type I membrane protein. Note=Non-activated receptor is targeted for lysosomal degradation via the endosomal pathway; transport from late endosomes to lysosomes requires deuibiquitination by USP12.

Tissue Location

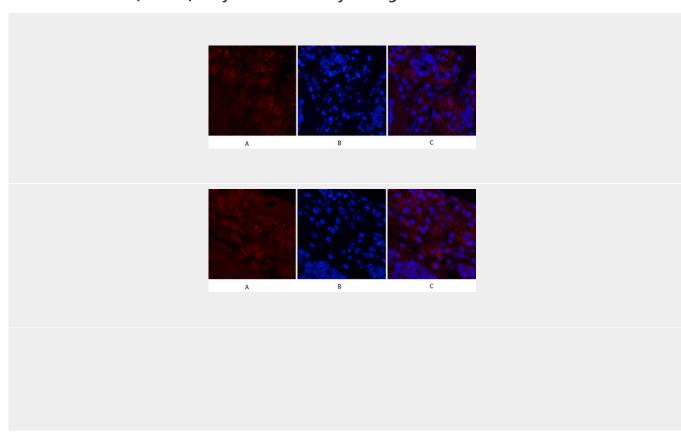
In fetal tissues most abundant in spleen, brain stem and lung. Also present in most adult tissues where it is found mainly in lymphoid tissues

Cleaved-Notch 1 (V1754) Polyclonal Antibody - Protocols

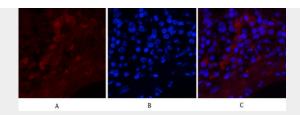
Provided below are standard protocols that you may find useful for product applications.

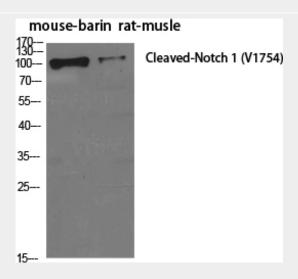
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

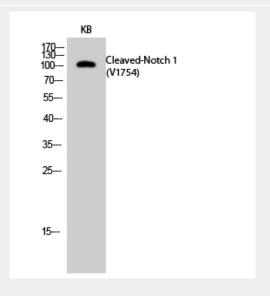
Cleaved-Notch 1 (V1754) Polyclonal Antibody - Images











Cleaved-Notch 1 (V1754) Polyclonal Antibody - Background

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Tel: 858.875.1900 Fax: 858.875.1999

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