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Anti-NOTCH1 Reference Antibody (Pfizer patent anti-Notch1)

Recombinant Antibody
Catalog # APR10994

Specification

Anti-NOTCH1 Reference Antibody (Pfizer patent anti-Notch1) - Product Information

Application	**FC, E, FTA**
Primary Accession	P46531
Reactivity	**Human, Mouse**
Clonality	**Monoclonal**
Isotype	**IgG2SA**
Calculated MW	**150 KDa**

Anti-NOTCH1 Reference Antibody (Pfizer patent anti-Notch1) - Additional Information

Target/Specificity
NOTCH1

Endotoxin
< 0.001EU/ μg,determined by LAL method.

Conjugation
Unconjugated

Expression system
CHO Cell

Format
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Anti-NOTCH1 Reference Antibody (Pfizer patent anti-Notch1) - 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 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).

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.

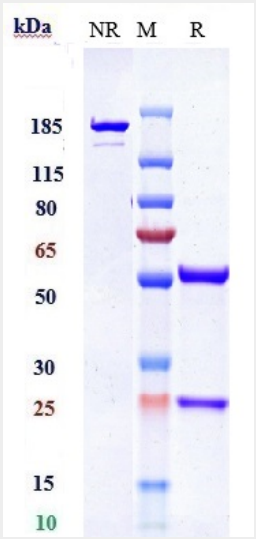
Tissue Location
In fetal tissues most abundant in spleen, brain stem and lung. Also present in most adult tissues where it is found mainly in lymphoid tissues

Anti-NOTCH1 Reference Antibody (Pfizer patent anti-Notch1) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-NOTCH1 Reference Antibody (Pfizer patent anti-Notch1) - Images



Anti-NOTCH1 Reference Antibody (Pfizer patent anti-Notch1) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%

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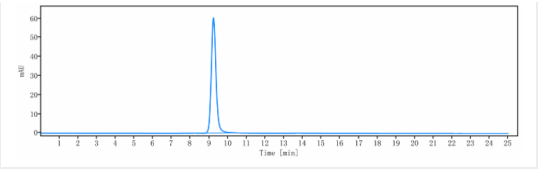

The purity of Anti-NOTCH1 Reference Antibody (Pfizer patent anti-Notch1)is more than 95% ,determined by SEC-HPLC.