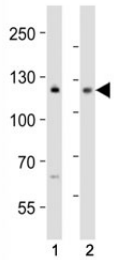
NOTCH Antibody (F53063)

Catalog No.	Formulation	Size
F53063-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F53063-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P46531
Applications	Western Blot : 1:1000
Limitations	This NOTCH antibody is available for research use only.



Western blot analysis of lysate from (1) MCF-7 and (2) Jurkat cell line using NOTCH antibody at 1:1000. Predicted molecular weight: ~ 270 kDa (full length), ~ 120 kDa (transmembrane fragment).

Description

Functions as a receptor for membrane-bound ligands Jagged1, Jagged2 and Delta1 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). [UniProt]

Application Notes

Titration of the NOTCH antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This NOTCH antibody was produced from a rabbit immunized with a KLH conjugated synthetic peptide between 2428-2462 amino acids from the C-terminal region of human NOTCH1.

Storage

Aliquot the NOTCH antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.