

Product Information

Recombinant Anti-Human notch3 Antibody Fab Fragment

Cat. No.: **MOM-18450-F(P)**

This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody Fab Fragment binds selectively to Human NOTCH3, expressed in E. coli

Antigen 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.

Specific Activity

Tested positive against native antigen.

Target

NOTCH3

Source

Mouse

Species Reactivity

Human

Type

Fab

Expression Host

E. coli

Purity

>95.0% as determined by Analysis by RP-HPLC & analysis by SDS-PAGE.

Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

Storage

Store at -20°C. Avoid multiple freeze/thaw cycles.

ANTIGEN GENE INFORMATION

Gene Name

[NOTCH3 notch 3 \[Homo sapiens \]](#)

Official Symbol

NOTCH3

Synonyms

NOTCH3; notch 3; CADASIL, Notch (Drosophila) homolog 3 , Notch homolog 3 (Drosophila); neurogenic locus notch homolog protein 3; CASIL; Notch homolog 3; CADASIL

Gene ID

[4854](#)

mRNA Refseq

[NM_000435](#)

Protein Refseq

[NP_000426](#)

MIM

[600276](#)

UniProt ID

Q9UM47

Chromosome Location

19p13.2-p13.1

Pathway

Delta-Notch Signaling Pathway, organism-specific biosystem; Dorso-ventral axis formation, organism-specific biosystem; Dorso-ventral axis formation, conserved biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem;

Function

calcium ion binding; protein binding; receptor activity;