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Product Information

Recombinant Anti-Human notch3 Antibody scFv Fragment

Cat. No.: **MOM-18450-S(P)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody scFv Fragment specifically binds 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

scFv

Expression Host

E. coli

Purity

>95%, by SDS-PAGE with silver staining, under reducing conditions.

Applications

Suitable for use in ELISA, WB, Neut and most other immunological methods.

Storage

At -20°C for one year.

ANTIGEN GENE INFOMATION

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;

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