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Product Information

Recombinant Anti-Human notch2 Antibody Fab Fragment

Cat. No.: **MOM-18449-F(E)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody Fab Fragment specifically binds to Human NOTCH2, expressed in Chinese Hamster Ovary cells(CHO)

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 (By similarity). Involved in bone remodeling and homeostasis. In collaboration with RELA/p65 enhances NFATc1 promoter activity and positively regulates RANKL-induced osteoclast differentiation.

Specific Activity

Tested positive against native antigen.

Target

NOTCH2

Source

Mouse

Species Reactivity

Human

Type

Fab

Expression Host

CHO

Purity

>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.

Applications

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

Storage

Store it under sterile conditions at -20°C upon receiving. Recommend to pack the protein into smaller quantities for optimal storage.

ANTIGEN GENE INFOMATION

Gene Name

NOTCH2 notch 2 [Homo sapiens]

Official Symbol

NOTCH2

Synonyms

NOTCH2; notch 2; Notch (Drosophila) homolog 2 , Notch homolog 2 (Drosophila); neurogenic locus notch homolog protein 2; Notch homolog 2; hN2; AGS2; HJCYS

Gene ID

4853

mRNA Refseq

NM_001200001

Protein Refseq

NP_001186930

MIM

600275

UniProt ID

Q04721

Chromosome Location

1p13-p11

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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