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Product Information

Recombinant Anti-Human unc5b Antibody Fab Fragment

Cat. No.: **MOM-18629-F(E)**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody Fab Fragment is bind to Human UNC5B, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Receptor for netrin required for axon guidance. Mediates axon repulsion of neuronal growth cones in the developing nervous system upon ligand binding. Axon repulsion in growth cones may be caused by its association with DCC that may trigger signaling for repulsion. It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand. Mediates apoptosis by activating DAPK1. In the absence of NTN1, activates DAPK1 by reducing its autoinhibitory phosphorylation at Ser-308 thereby increasing its catalytic activity.

Specific Activity

Tested positive against native antigen.

Target

UNC5B

Immunogen

The details of the immunogen for this antibody are not available.

Source

Mouse

Species Reactivity

Human

Type

Fab

Expression Host

CHO

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 +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze/thaw cycles.

ANTIGEN GENE INFOMATION

Gene Name

UNC5B unc-5 homolog B (C. elegans) [Homo sapiens]

Official Symbol

UNC5B

Synonyms

UNC5B; unc-5 homolog B (C. elegans); unc5 (C.elegans homolog) b; netrin receptor UNC5B; p53RDL1; UNC5H2; unc-5 homolog 2; protein unc-5 homolog 2; protein unc-5 homolog B; transmembrane receptor Unc5H2; p53-regulated receptor for death and life protein 1;

Gene ID

219699

mRNA Refseq

NM_001244889

Protein Refseq

NP_001231818

MIM

607870

UniProt ID

Q8IZJ1

Chromosome Location

10q22.2

Pathway

Apoptosis, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Netrin mediated repulsion signals, organism-specific biosystem; Netrin-1 signaling, organism-specific biosystem;

Function

netrin receptor activity; protein binding; receptor activity;

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