

# Product Information

## Recombinant Anti-Human unc5b Antibody scFv Fragment

Cat. No.: **MOM-18629-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 UNC5B, expressed in E. coli

### 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

scFv

### Expression Host

E. coli

### Purity

>95.0% as determined by analysis by SDS-PAGE.

### Applications

Suitable for use in ELISA, WB, Neut 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 INFORMATION

**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;