

**UNC5B Blocking Peptide (Center)**  
**Synthetic peptide**  
**Catalog # BP21410c****Specification**

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**UNC5B Blocking Peptide (Center) - Product Information**Primary Accession [Q8IZJ1](#)**UNC5B Blocking Peptide (Center) - Additional Information****Gene ID** 219699**Other Names**

Netrin receptor UNC5B, Protein unc-5 homolog 2, Protein unc-5 homolog B, p53-regulated receptor for death and life protein 1, UNC5B, P53RDL1, UNC5H2

**Target/Specificity**

The synthetic peptide sequence is selected from aa 507-521 of HUMAN UNC5B

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**UNC5B Blocking Peptide (Center) - Protein Information****Name** UNC5B**Function**

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 (By similarity). Functions as a netrin receptor that negatively regulates vascular branching during angiogenesis. Mediates retraction of tip cell filopodia on endothelial growth cones in response to netrin (By similarity). It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand (PubMed:<a href="http://www.uniprot.org/citations/12598906" target="\_blank">12598906</a>). 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 (By similarity).

**Cellular Location**

Cell membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:O08722}  
Membrane raft {ECO:0000250|UniProtKB:O08722}. Note=Associated with lipid rafts.

{ECO:0000250|UniProtKB:O08722}

**Tissue Location**

Highly expressed in brain. Also expressed at lower level in developing lung, cartilage, kidney and hematopoietic and immune tissues.

**UNC5B Blocking Peptide (Center) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**UNC5B Blocking Peptide (Center) - Images****UNC5B Blocking Peptide (Center) - Background**

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**UNC5B Blocking Peptide (Center) - References**

Komatsuzaki K., et al. Biochem. Biophys. Res. Commun. 297:898-905(2002).  
Tanikawa C., et al. Nat. Cell Biol. 5:216-223(2003).  
Clark H.F., et al. Genome Res. 13:2265-2270(2003).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Deloukas P., et al. Nature 429:375-381(2004).