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UNC5D Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13072c

Specification

UNC5D Antibody (Center) Blocking peptide - Product Information

Primary Accession Q6UXZ4

UNC5D Antibody (Center) Blocking peptide - Additional Information

Gene ID 137970

Other Names
Netrin receptor UNC5D, Protein unc-5 homolog 4, Protein unc-5 homolog D, UNC5D, KIAA1777, UNC5H4

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.

UNC5D Antibody (Center) Blocking peptide - Protein Information

Name UNC5D

Synonyms KIAA1777, UNC5H4 {ECO:0000303|Ref.2}

Function
Receptor for the netrin NTN4 that promotes neuronal cell survival (By similarity). Plays a role in cell-cell adhesion and cell guidance. Receptor for netrin involved in cell migration. Plays a role in axon guidance by mediating axon repulsion of neuronal growth cones in the developing nervous system upon ligand binding (By similarity). May play a role in apoptosis in response to DNA damage (PubMed:24691657). It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand (PubMed:24519068). Mediates cell-cell adhesion via its interaction with FLRT3 on an adjacent cell (By similarity).

Cellular Location
Cell membrane; Single-pass type I membrane protein

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UNC5D Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

UNC5D Antibody (Center) Blocking peptide - Images

UNC5D Antibody (Center) Blocking peptide - Background

UNC5D is receptor for netrin. May be involved in axon guidance by mediating 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 (By similarity).

UNC5D Antibody (Center) Blocking peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Wang, H., et al. Biochem. Biophys. Res. Commun. 370(4):594-598(2008)Choy, K.W., et al. Physiol. Genomics 25(1):9-15(2006)Zhong, Y., et al. Cereb. Cortex 14(10):1144-1152(2004)Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)