

UNC5D Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13072c

Specification

UNC5D Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q6UXZ4
Other Accession	NP_543148.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	105880
Antigen Region	483-511

UNC5D Antibody (Center) - Additional Information

Gene ID 137970

Other Names

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

Target/Specificity

This UNC5D antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 483-511 amino acids from the Central region of human UNC5D.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

UNC5D Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

UNC5D Antibody (Center) - 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

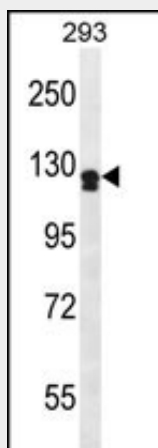
Cell membrane; Single-pass type I membrane protein

UNC5D Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

UNC5D Antibody (Center) - Images



UNC5D Antibody (Center) (Cat. #AP13072c) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the UNC5D antibody detected the UNC5D protein (arrow).

UNC5D Antibody (Center) - 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) - 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)