

UNC5H3 / UNC5C Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS15362**Specification**

UNC5H3 / UNC5C Antibody (Internal) - Product Information

Application	WB, IHC
Primary Accession	O95185
Reactivity	Human, Mouse, Rat, Hamster, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	103kDa KDa

UNC5H3 / UNC5C Antibody (Internal) - Additional Information**Gene ID** 8633**Other Names**

Netrin receptor UNC5C, Protein unc-5 homolog 3, Protein unc-5 homolog C, UNC5C, UNC5H3

Target/Specificity

Human UNC5C.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

UNC5H3 / UNC5C Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

UNC5H3 / UNC5C Antibody (Internal) - Protein Information**Name** UNC5C**Synonyms** UNC5H3**Function**

Receptor for netrin required for axon guidance (By similarity). Mediates axon repulsion of neuronal growth cones in the developing nervous system upon ligand binding (By similarity). NTN1/Netrin-1 binding might cause dissociation of UNC5C from polymerized TUBB3 in microtubules and thereby lead to increased microtubule dynamics and axon repulsion (PubMed:28483977). Axon repulsion in growth cones may also be caused by its association with DCC that may trigger signaling for repulsion (By similarity). Might also collaborate with DSCAM in NTN1-mediated axon repulsion independently of DCC (By similarity). Also involved in corticospinal tract axon guidance independently of DCC (By similarity). Involved in dorsal root ganglion axon projection towards the spinal cord (PubMed:28483977). It also acts as a dependence receptor required for apoptosis

induction when not associated with netrin ligand (By similarity).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Cell surface. Synapse, synaptosome {ECO:0000250|UniProtKB:Q761X5}. Cell projection, axon {ECO:0000250|UniProtKB:O08747}. Cell projection, dendrite {ECO:0000250|UniProtKB:O08747}. Cell projection, growth cone {ECO:0000250|UniProtKB:O08747}. Cell projection, lamellipodium {ECO:0000250|UniProtKB:O08747}. Cell projection, filopodium {ECO:0000250|UniProtKB:O08747}

Tissue Location

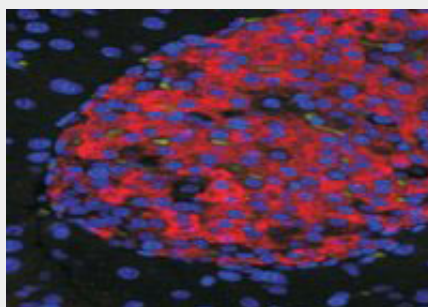
Mainly expressed in brain (PubMed:9782087). Expressed in temporal lobe cortical neurons and in neurons of the hippocampal pyramidal layer (PubMed:25419706). Also expressed in kidney (PubMed:9782087). Not expressed in developing or adult lung (PubMed:9782087).

UNC5H3 / UNC5C Antibody (Internal) - Protocols

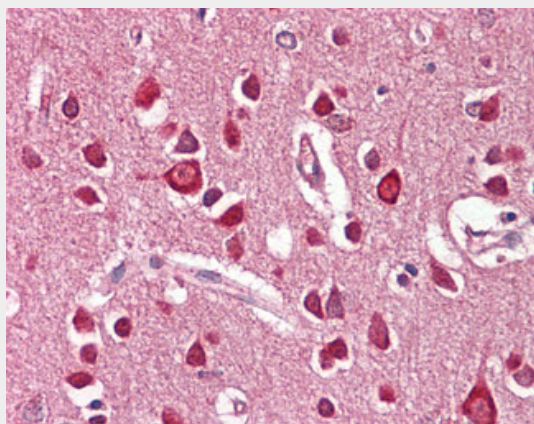
Provided below are standard protocols that you may find useful for product applications.

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

UNC5H3 / UNC5C Antibody (Internal) - Images



UNC5C antibody (50 ug/ml) staining of islets in Mouse Pancreas.



Anti-UNC5H3 / UNC5C antibody IHC of human brain, cortex.

UNC5H3 / UNC5C Antibody (Internal) - Background

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. Also involved in corticospinal tract axon guidances independently of DCC. It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand (By similarity).

UNC5H3 / UNC5C Antibody (Internal) - References

Ackerman S.L.,et al.Genomics 52:205-208(1998).
Hillier L.W.,et al.Nature 434:724-731(2005).
Thiebault K.,et al.Proc. Natl. Acad. Sci. U.S.A. 100:4173-4178(2003).