

UNC5C Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2932a**Specification**

UNC5C Antibody (internal region) - Product Information

Application	IHC, IF, E
Primary Accession	O95185
Other Accession	NP_003719.2 , 8633 , 22253 (mouse)
Reactivity	Human, Mouse
Predicted	Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	103146

UNC5C Antibody (internal region) - Additional Information**Gene ID** 8633**Other Names**

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

Dilution

IHC~~1:100~500

IF~~1:50~200

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

UNC5C Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

UNC5C Antibody (internal region) - 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

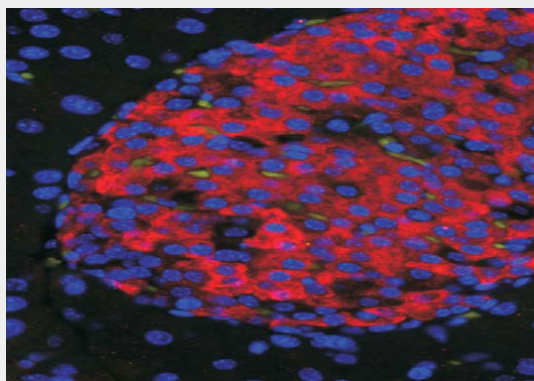
Mainly expressed in brain (PubMed:9782087). Expressed in temporal lobe cortical neurons and in neurons of the hippocampal pyramidal layer (PubMed:25419706). Also expressed in kidney (PubMed:9782087). Not expressed in developing or adult lung (PubMed:9782087).

UNC5C Antibody (internal region) - Protocols

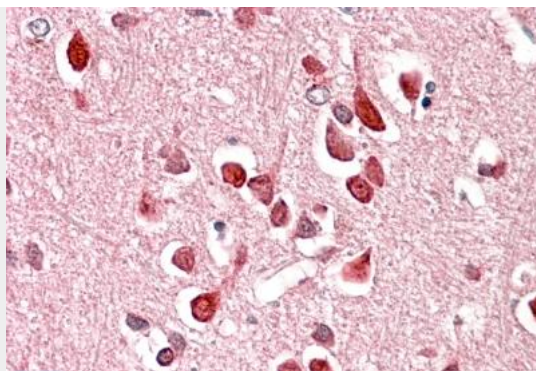
Provided below are standard protocols that you may find useful for product applications.

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

UNC5C Antibody (internal region) - Images



AF2932a (50ug/ml) staining of islets in Mouse Pancreas. Citrate antigen retrieval. Detected by immunofluorescence.



AF2932a (3.8 µg/ml) staining of paraffin embedded Human Cerebral Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

UNC5C Antibody (internal region) - References

Epigenetic and genetic alterations in Netrin-1 receptors UNC5C and DCC in human colon cancer. Shin SK, Nagasaka T, Jung BH, Matsubara N, Kim WH, Carethers JM, Boland CR, Goel A. Gastroenterology 2007 Dec 133 (6): 1849-57. PMID: 18054557