

**UNC5B (aa629-643) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3618a

### Specification

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#### UNC5B (aa629-643) Antibody (internal region) - Product Information

Application	WB
Primary Accession	<a href="#">Q8IZJ1</a>
Other Accession	<a href="#">NP_734465.2</a> , <a href="#">219699</a> , <a href="#">107449 (mouse)</a> , <a href="#">60630 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	103638

#### UNC5B (aa629-643) Antibody (internal region) - 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

#### 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

UNC5B (aa629-643) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

#### UNC5B (aa629-643) Antibody (internal region) - 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

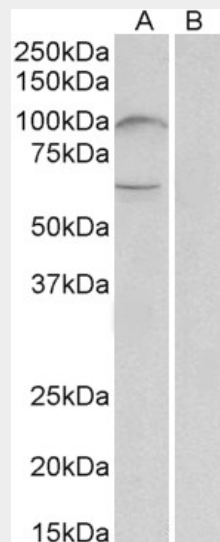
Highly expressed in brain. Also expressed at lower level in developing lung, cartilage, kidney and hematopoietic and immune tissues.

### UNC5B (aa629-643) 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](#)

### UNC5B (aa629-643) Antibody (internal region) - Images



AF3618a (2 µg/ml) staining of Human Bone Marrow lysate (35 µg protein in RIPA buffer) with (B) and without (A) blocking with the immunizing peptide. Primary incubation was 1 hour. Detected by chemiluminescence.

### UNC5B (aa629-643) Antibody (internal region) - References

Netrin-1 mediates neuronal survival through PIKE-L interaction with the dependence receptor

UNC5B. Tang X, Jang SW, Okada M, Chan CB, Feng Y, Liu Y, Luo SW, Hong Y, Rama N, Xiong WC, Mehlen P, Ye K. Nat Cell Biol. 2008 Jun;10(6):698-706. PMID: 18469807