

## Rabbit anti-Human UNC5B Polyclonal Antibody | anti-UNC5B antibody

UNC5B Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                    |
|-----------|--------|------------|-------------------------------------------------|
| AAA234612 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, ELISA |

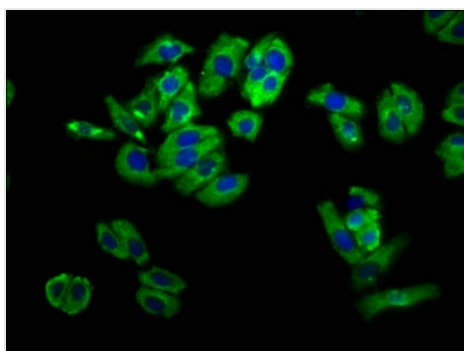
### PRODUCT SYNONYMS

UNC5B; Polyclonal Antibody; UNC5B Antibody; Netrin receptor UNC5B; Protein unc-5 homolog 2; Protein unc-5 homolog B; p53-regulated receptor for death and life protein 11; P53RDL11 Publication; anti-UNC5B antibody

### PRODUCT SPECIFICATIONS

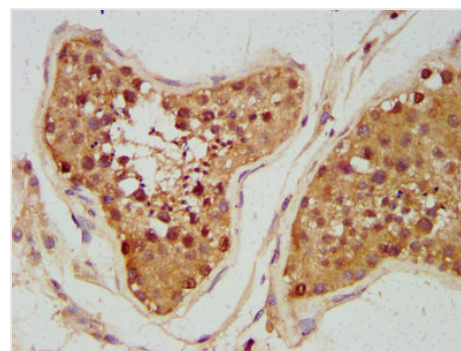
|                                                 |                                                                                  |
|-------------------------------------------------|----------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                           |
| Reactivity                                      | Human                                                                            |
| Clonality                                       | Polyclonal                                                                       |
| Isotype                                         | IgG                                                                              |
| Purity/Purification                             | >95%, Protein G purified                                                         |
| Form/Format                                     | Liquid                                                                           |
| Sequence Length                                 | 934                                                                              |
| Applicable Applications for anti-UNC5B antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA                       |
| Immunogen                                       | Recombinant Human Netrin receptor UNC5B protein (404-517AA)                      |
| Conjugation                                     | Non-conjugated                                                                   |
| Buffer                                          | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, pH 7.4 |
| Preparation and Storage                         | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.      |

### IMAGES



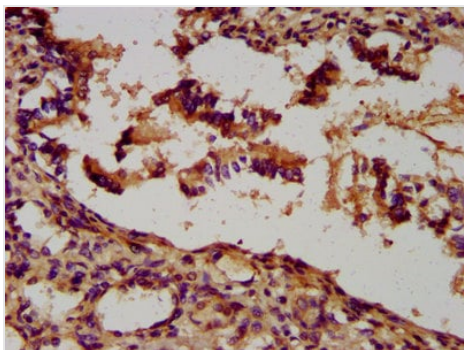
#### IHC (Immunohistochemistry)

Immunofluorescence staining of HepG2 cells with AAA234612 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



#### IHC (Immunohistochemistry)

IHC image of AAA234612 diluted at 1:300 and staining in paraffin-embedded human testis tissue performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



**IHC (Immunohistochemistry)**  
 IHC image of AAA234612 diluted at 1:300 and staining in paraffin-embedded human lung tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

### ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-UNC5B antibody</b> | 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 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:12598906). 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). |
| <b>Product Categories/Family for anti-UNC5B antibody</b>   | Neuroscience; Cardiovascular; Signal transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

### NCBI AND UNIPROT INFORMATION

|                                         |                                                |
|-----------------------------------------|------------------------------------------------|
| <b>NCBI GI #</b>                        | 349585210                                      |
| <b>NCBI GeneID</b>                      | 219699                                         |
| <b>NCBI Accession #</b>                 | NP_001231818.1                                 |
| <b>NCBI GenBank Nucleotide #</b>        | NM_001244889.1                                 |
| <b>UniProt Accession #</b>              | Q8IZJ1; Q5T3R9; Q5T3S0; Q86SN3; Q8N1Y2; Q9H9F3 |
| <b>Molecular Weight</b>                 | 102,434 Da                                     |
| <b>NCBI Official Full Name</b>          | netrin receptor UNC5B isoform 2                |
| <b>NCBI Official Synonym Full Names</b> | unc-5 netrin receptor B                        |
| <b>NCBI Official Symbol</b>             | UNC5B                                          |
| <b>NCBI Official Synonym Symbols</b>    | UNC5H2; p53RDL1                                |
| <b>NCBI Protein Information</b>         | netrin receptor UNC5B                          |
| <b>UniProt Protein Name</b>             | Netrin receptor UNC5B                          |
| <b>UniProt Gene Name</b>                | <b>UNC5B</b>                                   |
| <b>UniProt Synonym Gene Names</b>       | ; p53RDL1                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/unc5b-antibody-immunofluorescence-immunohistochemistry-elisa/234612>