

For Research Use Only

# UNC5D Polyclonal antibody

Catalog Number: 29941-1-AP



## Basic Information

|   |   |  |
|---|---|--|
| <b>Catalog Number:</b><br>29941-1-AP                          | <b>GenBank Accession Number:</b><br>NM_080872     | <b>Purification Method:</b><br>Antigen affinity purification |
| <b>Size:</b><br>150ul , Concentration: 800 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>137970                   | <b>Recommended Dilutions:</b><br>WB 1:500-1:2000             |
| <b>Source:</b><br>Rabbit                                      | <b>Full Name:</b><br>unc-5 homolog D (C. elegans) |  |
| <b>Isotype:</b><br>IgG  | <b>Calculated MW:</b><br>106KD                    |  |
| <b>Immunogen Catalog Number:</b><br>AG31973                   | <b>Observed MW:</b><br>120 kDa, 65 kDa            |  |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>WB, ELISA         | <b>Positive Controls:</b><br>WB : mouse brain tissue, mouse kidney tissue, rat brain tissue |
| <b>Species Specificity:</b><br>Human, mouse, rat |   |

## Background Information

UNC5D, also named as KIAA1777 and UNC5H4, belongs to the unc-5 family. It is a receptor for netrin. It 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. Previous studies have demonstrated that UNC5D can be cleaved by caspase 2 and 3, suggesting that UNC5D serves as a direct substrate for caspases 2 and 3 (PMID: 23778138).

## Storage

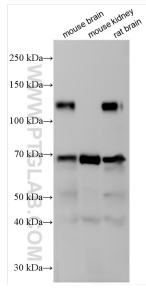
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29941-1-AP (UNC5D antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.