

UNC5D Polyclonal antibody

Catalog Number: 29941-1-AP

Basic Information

Catalog Number:

29941-1-AP

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31973

GenBank Accession Number:

NM_080872

GeneID (NCBI):

137970

UNIPROT ID:

Q6UXZ4

Full Name:

unc-5 homolog D (C. elegans)

Calculated MW:

106KD

Observed MW:

120 kDa, 68 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse, rat

Positive Controls:

WB : mouse brain tissue, mouse kidney tissue, rat brain tissue

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:

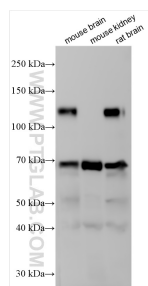
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.