

**Product Name: UNC5C Rabbit Polyclonal Antibody**  
**Catalog #: APRab19633**



## Summary

<b>Production Name</b>	UNC5C Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	UNC5C UNC5H3
<b>Alternative Names</b>	
<b>Gene ID</b>	8633.0
<b>SwissProt ID</b>	O95185.Synthesized peptide derived from human protein . at AA range: 60-140

## Application

<b>Dilution Ratio</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Molecular Weight</b>	102kD

## Background

This gene product belongs to the UNC-5 family of netrin receptors. Netrins are secreted proteins that direct axon extension and cell migration during neural development. They are bifunctional proteins that act as attractants for some cell types and

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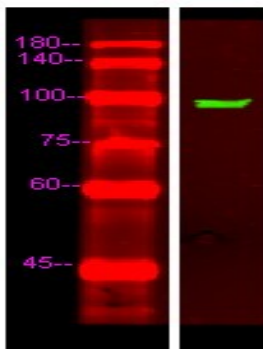


as repellents for others, and these opposite actions are thought to be mediated by two classes of receptors. The UNC-5 family of receptors mediate the repellent response to netrin; they are transmembrane proteins containing 2 immunoglobulin (Ig)-like domains and 2 type I thrombospondin motifs in the extracellular region. [provided by RefSeq, Jul 2008],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. Also involved in corticospinal tract axon guidances independently of DCC. It also acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand.,miscellaneous:Down-regulated in multiple cancers including colorectal, breast, ovary, uterus, stomach, lung, or kidney cancers.,PTM:Phosphorylated on different cytoplasmic tyrosine residues. Phosphorylation of Tyr-568 leads to an interaction with PTPN11 phosphatase, suggesting that its activity is regulated by phosphorylation/dephosphorylation. Tyrosine phosphorylation is netrin-dependent.,PTM:Proteolytically cleaved by caspases during apoptosis. The cleavage does not take place when the receptor is associated with netrin ligand. Its cleavage by caspases is required to induce apoptosis.,similarity:Belongs to the unc-5 family.,similarity:Contains 1 death domain.,similarity:Contains 1 Ig-like (immunoglobulin-like) domain.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 1 ZU5 domain.,similarity:Contains 2 TSP type-1 domains.,subunit:Interacts with the cytoplasmic part of DCC.,tissue specificity:Mainly expressed in brain. Also expressed in kidney. Not expressed in developing or adult lung,.

## Research Area

Axon guidance;

## Image Data



Western Blot analysis of Hela lysis, using primary antibody at 1:1000 dilution. Secondary antibody was diluted at 1:10000

## Note

For research use only.