

For Research Use Only

# UNC5C-Specific Polyclonal antibody

Catalog Number:20240-1-AP

2 Publications



## Basic Information

**Catalog Number:**

20240-1-AP

**Size:**

150ul , Concentration: 500 ug/ml by Nanodrop and 327 ug/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_003728

**GeneID (NCBI):**

8633

**UNIPROT ID:**

O95185

**Full Name:**

unc-5 homolog C (C. elegans)

**Calculated MW:**

103 kDa

**Observed MW:**

50 kDa, 103 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:8000

IHC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

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

IHC : mouse brain tissue,

## Background Information

UNC5C, also named as UNC5H3, belongs to the unc-5 family. It is a receptor for netrin required for axon guidance. It 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. It 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. The antibody is specific to UNC5C.

## Notable Publications

Author	Pubmed ID	Journal	Application
Kushal Prajapati	38427724	Sci Adv	
Shaista Chaudhary	36940724	Alcohol Clin Exp Res	WB

## 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

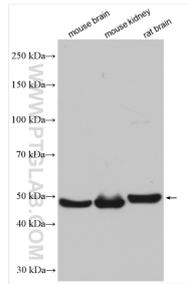
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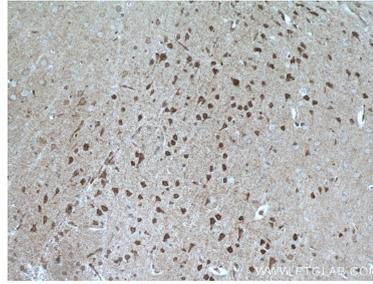
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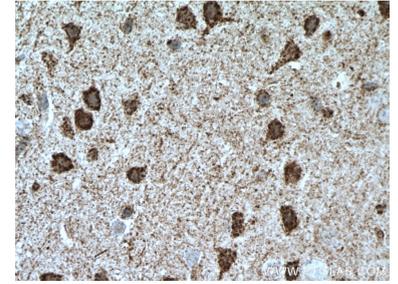
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20240-1-AP (UNC5C-Specific antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20240-1-AP (UNC5C-Specific antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20240-1-AP (UNC5C-Specific antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).