

For Research Use Only

UNC5A Polyclonal antibody

Catalog Number: 22068-1-AP **4 Publications**



Basic Information

Catalog Number: 22068-1-AP	GenBank Accession Number: BC157824	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 393 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 90249	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: unc-5 homolog A (C. elegans)	
Isotype: IgG	Calculated MW: 842 aa, 93 kDa	
Immunogen Catalog Number: AG17155	Observed MW: 88-100 kDa	

Applications

Tested Applications: FC, IHC, WB, ELISA	Positive Controls: WB : HeLa cells, MCF-7 cells, PC-3 cells
Cited Applications: IF, IHC, WB	IHC : human brain tissue,
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

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

Background Information

UNC5A, also named as KIAA1976 and UNC5H1, 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 acts as a dependence receptor required for apoptosis induction when not associated with netrin ligand.

Notable Publications

Author	Pubmed ID	Journal	Application
Lan Huang	35974411	Cell Commun Signal	WB
Silu Ding	31949771	Int J Clin Exp Pathol	IHC
Sara R Privatt	37046832	Cancers (Basel)	IHC,IF

Storage

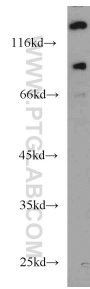
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

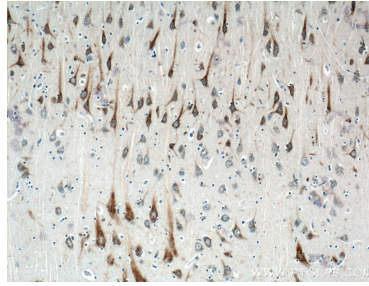
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

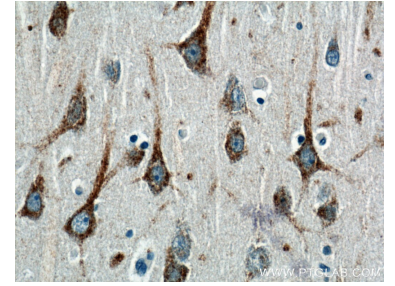
Selected Validation Data



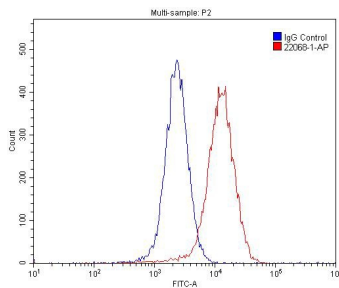
HeLa cells were subjected to SDS PAGE followed by western blot with 22068-1-AP (UNC5A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 22068-1-AP (UNC5A Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 22068-1-AP (UNC5A Antibody) at dilution of 1:200 (under 40x lens).



1X10⁶ MCF-7 cells were stained with 0.2ug UNC5A antibody (22068-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.