

For Research Use Only

UNC13A Recombinant antibody

Catalog Number: 83000-6-RR



Basic Information

Catalog Number: 83000-6-RR	GenBank Accession Number: NM_001080421	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 23025	CloneNo.: 230469G2
Source: Rabbit	UNIPROT ID: Q9UPW8	Recommended Dilutions: IF-P 1:200-1:800 IF/ICC 1:125-1:500
Isotype: IgG	Full Name: unc-13 homolog A (C. elegans)	
	Calculated MW: 193 kDa	

Applications

Tested Applications: IF/ICC, IF-P, ELISA	Positive Controls: IF-P : rat brain tissue, IF/ICC : SH-SY5Y cells,
Species Specificity: human, rat	

Background Information

UNC13A, also named KIAA1032, belongs to the unc-13 family. It plays a role in vesicle maturation during exocytosis as a target of the diacylglycerol second messenger pathway. UNC13A is involved in neurotransmitter release by acting in synaptic vesicle priming prior to vesicle fusion and participates in the activity-dependent refilling of readily releasable vesicle pool (RRP). It is essential for synaptic vesicle maturation in most excitatory/glutamatergic but not inhibitory/GABA-mediated synapses. UNC13A is also involved in secretory granule priming in INS secretion. The antibody is specific to UNC13A.

Storage

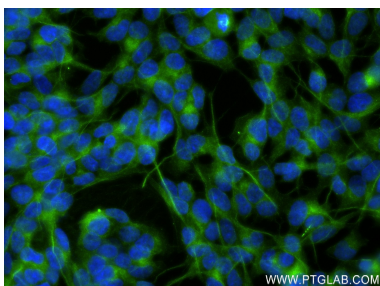
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

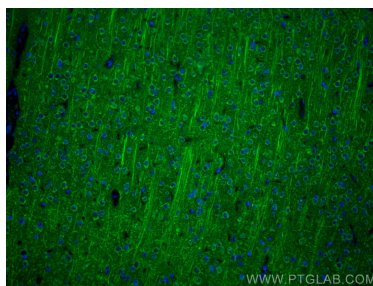
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

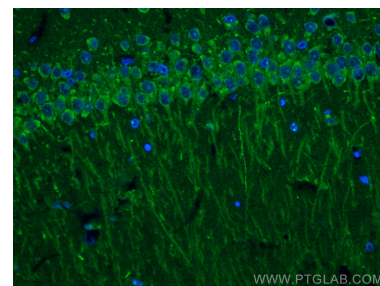
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using UNC13A antibody (83000-6-RR, Clone: 230469G2) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat brain tissue using UNC13A antibody (83000-6-RR, Clone: 230469G2) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat brain tissue using UNC13A antibody (83000-6-RR, Clone: 230469G2) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).