

For Research Use Only

# UNC13A Recombinant antibody

Catalog Number: 83000-6-RR



## Basic Information

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

## Applications

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

For technical support and original validation data for this product please contact:

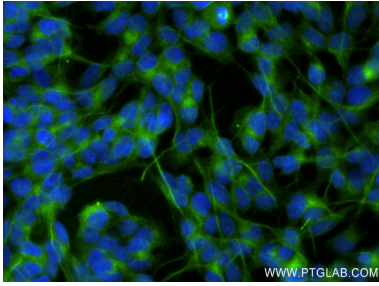
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

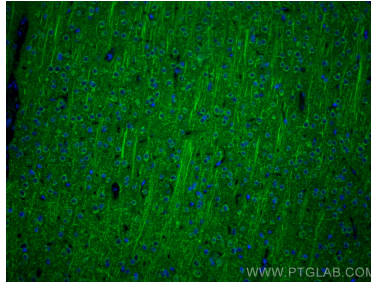
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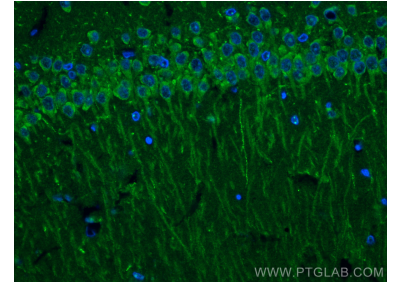
## Selected Validation Data



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 AffiniPure 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).