

For Research Use Only

UNC13A Monoclonal antibody, PBS Only



Catalog Number: 68483-1-PBS

Basic Information

Catalog Number: 68483-1-PBS	GenBank Accession Number: NM_001080421	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 23025	CloneNo.: 3C3A9
Source: Mouse	UNIPROT ID: Q9UPW8	
Isotype: IgG2a	Full Name: unc-13 homolog A (C. elegans)	
	Calculated MW: 193 kDa	
	Observed MW: 193-210 kDa	

Applications

Tested Applications:
WB, IF, IHC, ELISA

Species Specificity:
Human, mouse, rat, pig, rabbit

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

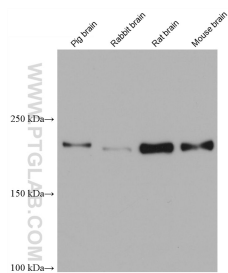
Storage:
Store at -80°C.

Storage Buffer:
PBS only

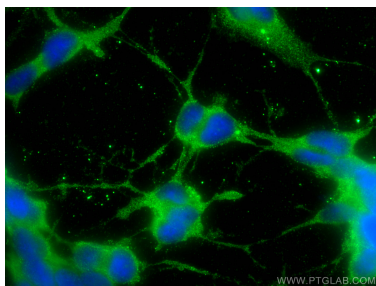
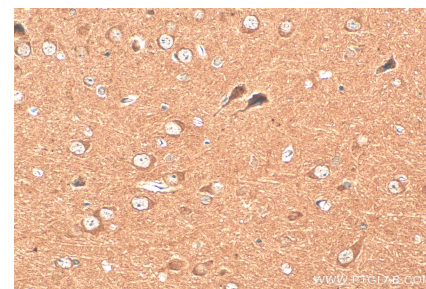
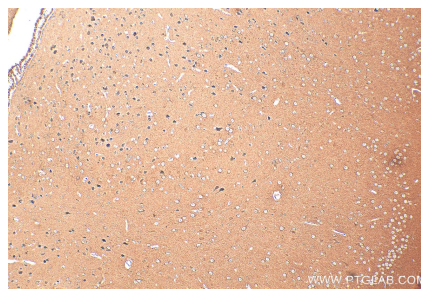
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68483-1-Ig (UNC13A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68483-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using UNC13A antibody (68483-1-Ig, Clone: 3C3A9) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68483-1-PBS in a different storage buffer formulation.