For Research Use Only

UNC13A Polyclonal antibody, PBS Only

Catalog Number:55053-1-PBS

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Basic Information

Catalog Number:
55053-1-PBS

Size:
100ug , Concentration: 1000 µg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_001080421

GeneID (NCBI):
23025

UNIPROT ID:
Q9UPW8

Full Name:
unc-13 homolog A (C. elegans)

Calculated MW:
193 kDa

Observed MW:
193-210 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
WB, IP, Indirect ELISA

Species Specificity:
human, mouse, 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.

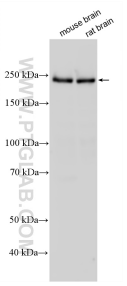
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

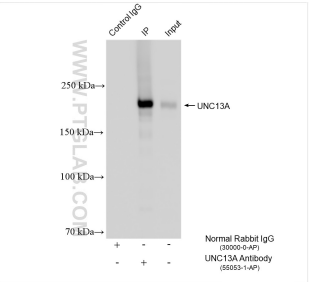
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 55053-1-AP (UNC13A antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 55053-1-PBS in a different storage buffer formulation.



IP result of anti-UNC13A (IP:55053-1-AP, 4ug; Detection:55053-1-AP 1:10000) with mouse brain tissue lysate 1720 ug. This data was developed using the same antibody clone with 55053-1-PBS in a different storage buffer formulation.