

For Research Use Only

UNC13A Polyclonal antibody, PBS Only

Catalog Number:55053-1-PBS



Basic Information

Catalog Number:

55053-1-PBS

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

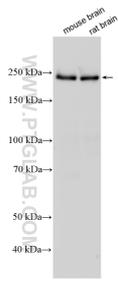
T: 4006900926

E: Proteintech-CN@ptglab.com

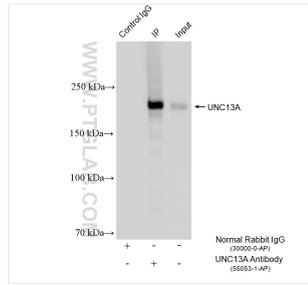
W: ptgcn.com

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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.