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Datasheet for ABIN7120613 **anti-UNC13A/Munc13-1 antibody**

Overview

Quantity:	100 µg
Target:	UNC13A/Munc13-1 (UNC13A)
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UNC13A/Munc13-1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	unc-13 homolog A(C. elegans)
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	UNC13A/Munc13-1 (UNC13A)
Alternative Name:	UNC13A/Munc13-1 (UNC13A Products)
Background:	Synonyms: KIAA1032, Munc13 1, Protein unc 13 homolog A, unc 13 homolog A(C. elegans), UNC13A Background: UNC13A, also named as 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

Target Details

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 insulin secretion. The antibody is specific to UNC13A.

Molecular Weight: 193 kDa

Pathways: [Skeletal Muscle Fiber Development](#), [Synaptic Vesicle Exocytosis](#)

Application Details

Application Notes: WB: 1:500-1:5000, IP: 1:200-1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months