

Datasheet for ABIN652852
anti-UNC13B antibody (AA 1062-1091)



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2 Images

1 Publication

Overview

| | |
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| Quantity: | 400 µL |
| Target: | UNC13B |
| Binding Specificity: | AA 1062-1091 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This UNC13B antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS) |

Product Details

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| Immunogen: | This UNC13B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1062-1091 amino acids from the Central region of human UNC13B. |
| Clone: | RB22476 |
| Isotype: | Ig Fraction |
| Predicted Reactivity: | M |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

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| Target: | UNC13B |
| Alternative Name: | UNC13B (UNC13B Products) |

Target Details

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| Background: | UNC13B plays a role in vesicle maturation during exocytosis as a target of the diacylglycerol second messenger pathway. It 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 a subset of excitatory/glutamatergic but not inhibitory/GABA-mediated synapses (By similarity). |
| Molecular Weight: | 180679 |
| Gene ID: | 10497 |
| NCBI Accession: | NP_006368 |
| UniProt: | O14795 |
| Pathways: | Skeletal Muscle Fiber Development , Synaptic Vesicle Exocytosis |

Application Details

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| Application Notes: | WB: 1:1000. FC: 1:10~50 |
| Restrictions: | For Research Use only |

Handling

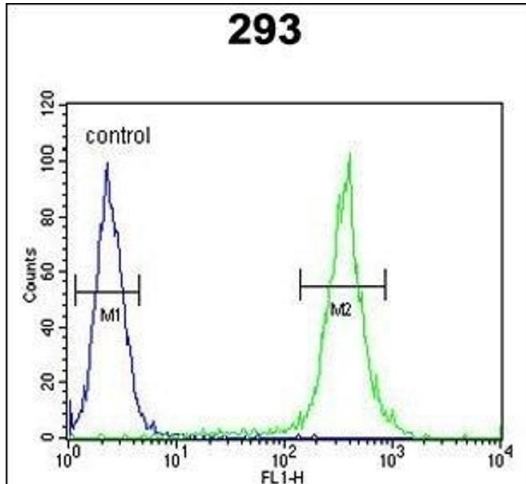
| | |
|--------------------|--|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C, -20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date: | 6 months |

Publications

| | |
|-------------------|---|
| Product cited in: | Kasmapour, Gronow, Bleck, Hong, Gutierrez: "Size-dependent mechanism of cargo sorting during lysosome-phagosome fusion is controlled by Rab34." in: Proceedings of the National Academy of Sciences of the United States of America , Vol. 109, Issue 50, pp. 20485-90, (2012) |
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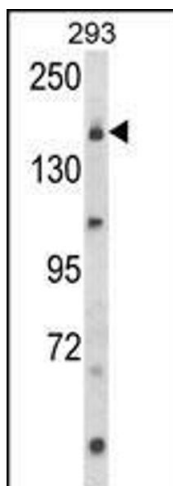
) (PubMed).

Images



Flow Cytometry

Image 1. UNC13B Antibody (Center) (ABIN652852 and ABIN2842552) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. Western blot analysis of UNC13B Antibody (Center) (ABIN652852 and ABIN2842552) in 293 cell line lysates (35 µg/lane). UNC13B (arrow) was detected using the purified Pab.