

Datasheet for ABIN652852  
**anti-UNC13B antibody (AA 1062-1091)**[Go to Product page](#)

2 Images

1 Publication

## Overview

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

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

Target:	UNC13B
Alternative Name:	UNC13B ( <a href="#">UNC13B Products</a> )

## Target Details

**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

**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.

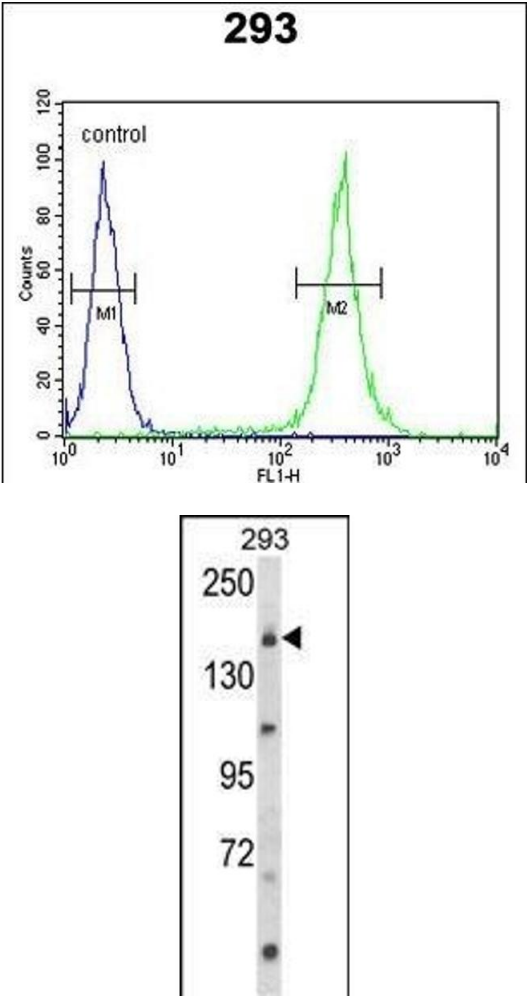
**Storage:** 4 °C, -20 °C

**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:** He, Yang, Li: "The clinical pathological significance of Thy1 and CD49f expression in chondrosarcomas." in: **Pathology, research and practice**, Vol. 212, Issue 7, pp. 636-42, (2017) ([PubMed](#)).



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.