


# Anti-UNC13B antibody ab97664

[1 References](#) [1 Image](#)

## Overview

<b>Product name</b>	Anti-UNC13B antibody
<b>Description</b>	Rabbit polyclonal to UNC13B
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Zebrafish 
<b>Immunogen</b>	Recombinant protein fragment corresponding to a region within amino acids 462 and 719 of Human UNC13B (NP_006368)
<b>Positive control</b>	293T and HeLa cells
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab97664 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 181 kDa.

## Target

### Function

Plays a role in vesicle maturation during exocytosis as a target of the diacylglycerol second messenger pathway. 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). Essential for synaptic vesicle maturation in a subset of excitatory/glutamatergic but not inhibitory/GABA-mediated synapses.

### Tissue specificity

Expressed in kidney cortical epithelial cells and brain.

### Sequence similarities

Belongs to the unc-13 family.  
Contains 3 C2 domains.  
Contains 1 MHD1 (MUNC13 homology domain 1) domain.  
Contains 1 MHD2 (MUNC13 homology domain 2) domain.  
Contains 1 phorbol-ester/DAG-type zinc finger.

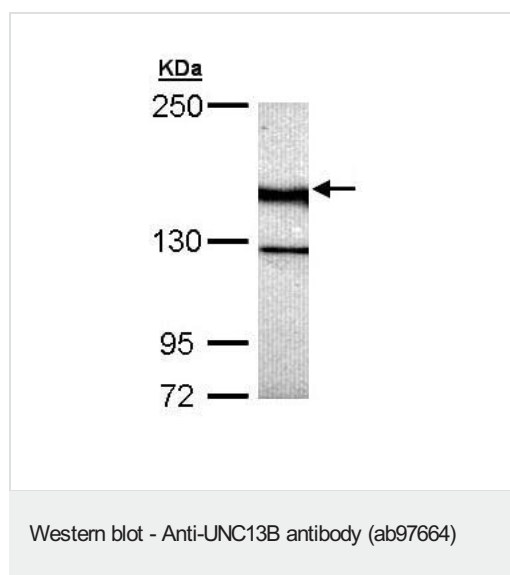
### Domain

The C2 domains are not involved in calcium-dependent phospholipid binding.

### Cellular localization

Cytoplasm. Membrane. Cell membrane. Cell junction > synapse. Localized to synapses.  
Translocated to the plasma membrane in response to phorbol ester binding.

## Images



Anti-UNC13B antibody (ab97664) at 1/5000 dilution + HeLa whole cell lysate at 30 µg

**Predicted band size:** 181 kDa

5% SDS PAGE

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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