

Datasheet for ABIN2856793

**anti-UNC13B antibody (Internal Region)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	UNC13B
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UNC13B antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human UNC13B. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Mouse (Murine), Rat (Rattus), Cow (Bovine)
Cross-Reactivity (Details):	Mouse (99 %), Rat (98 %), Bovine (99 %)
Characteristics:	Rabbit Polyclonal antibody to UNC13B (unc-13 homolog B (C. elegans)) UNC13B antibody [N3C1], Internal
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	UNC13B
Alternative Name:	UNC13B ( <a href="#">UNC13B Products</a> )
Background:	<p>This gene is expressed in the kidney cortical epithelial cells and is upregulated by hyperglycemia. The encoded protein shares a high level of similarity to the rat homolog, and contains 3 C2 domains and a diacylglycerol-binding C1 domain. Hyperglycemia increases the levels of diacylglycerol, which has been shown to induce apoptosis in cells transfected with this gene and thus contribute to the renal cell complications of hyperglycemia. Studies in other species also indicate a role for this protein in the priming step of synaptic vesicle exocytosis.</p> <p>Cellular Localization: Cytoplasm (By similarity) , Membrane, Peripheral membrane protein (By similarity) , Cell membrane (By similarity) , Cell junction , synapse (By similarity)</p>
Molecular Weight:	181 kDa
Gene ID:	10497
Pathways:	<a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Synaptic Vesicle Exocytosis</a>

## Application Details

Application Notes:	Suggested dilution Reference ICC/IF 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceICC/IF1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*
Comment:	Positive Control: 293T , H1299 , HeLa , HepG2
Restrictions:	For Research Use only

## Handling

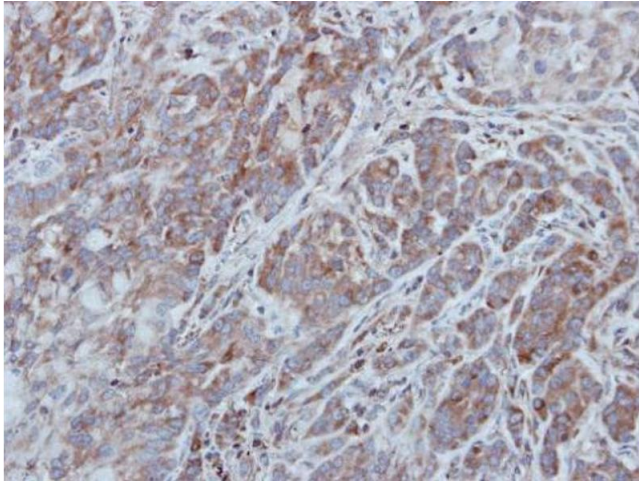
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol ( pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Storage: -20 °C

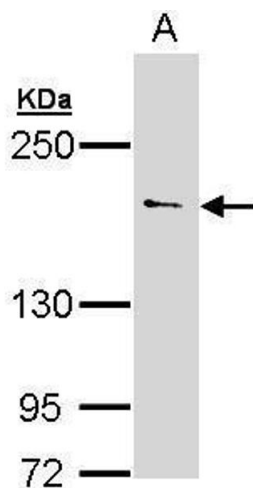
Storage Comment: Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

## Images



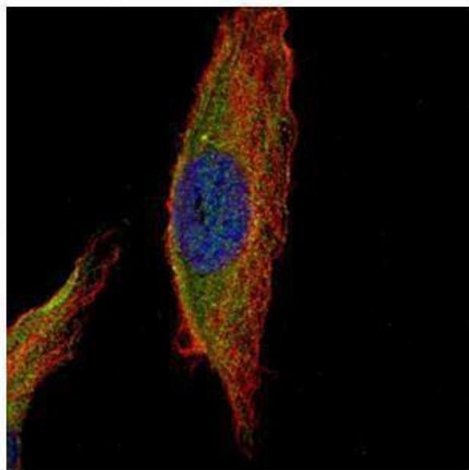
### Immunohistochemistry

**Image 1.** IHC-P Image Immunohistochemical analysis of paraffin-embedded A549 xenograft, using UNC13B, antibody at 1:500 dilution.



### Western Blotting

**Image 2.** WB Image Sample (30 ug of whole cell lysate) A: 293T 5% SDS PAGE antibody diluted at 1:500



### Immunofluorescence

**Image 3.** ICC/IF Image Confocal immunofluorescence analysis (Olympus FV10i) of methanol-fixed HeLa, using UNC13B, antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with (Red) at 1:2000.