

Datasheet for ABIN7258666

anti-UNC13B antibody[Go to Product page](#)

2 Images

Overview

Quantity:	200 µL
Target:	UNC13B
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UNC13B antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein of human UNC13B (NP_006368.3).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

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

Target Details

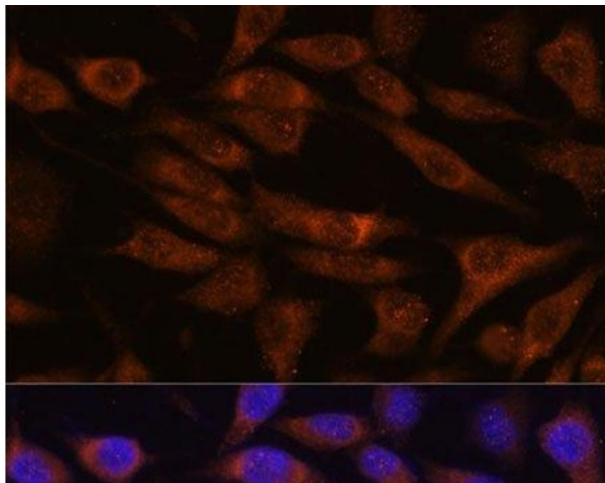
	gene and thus contribute to the renal cell complications of hyperglycemia. Studies in other species also indicate a role for this protein in the priming step of synaptic vesicle exocytosis.
Molecular Weight:	Observed_MW: 210 kDa Calculated_MW: 180 kDa/182 kDa
Gene ID:	10497
UniProt:	O14795
Pathways:	Skeletal Muscle Fiber Development , Synaptic Vesicle Exocytosis

Application Details

Application Notes:	WB 1:500-1:2000 IF 1:50-1:200
Restrictions:	For Research Use only

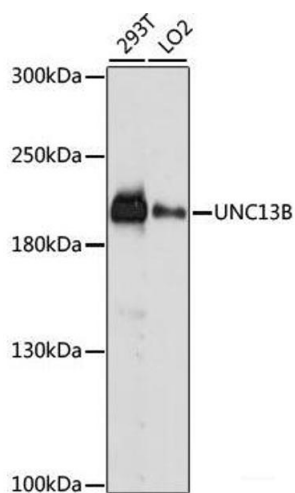
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 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:	Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

Image 1. Immunofluorescence analysis of L929 cells using UNC13B Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines using UNC13B Polyclonal Antibody at dilution of 1:1000.