UNC13(C. elegans)-like antibody

Catalog No: #23107

Orders: order@signalwayantibody.com
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Description

Product Name	UNC13(C. elegans)-like antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Purified by antigen-affinity chromatography.
Applications	WB IHC IF
Species Reactivity	Hu
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 680 and 927 of human UNC13B
Target Name	UNC13(C. elegans)-like
Accession No.	Swiss-Prot:O14795Gene ID:10497
Uniprot	O14795
GeneID	10497;
Concentration	1mg/ml
Formulation	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

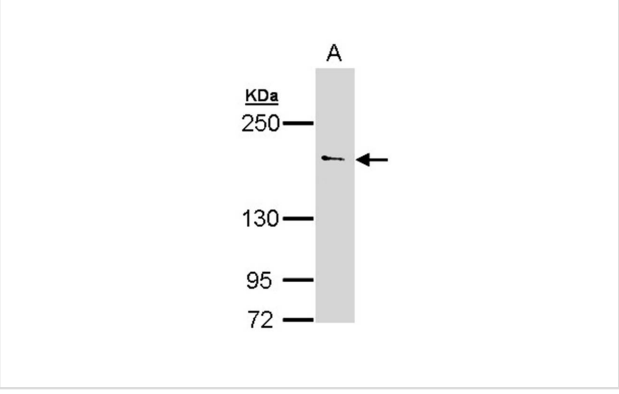
Predicted MW: 181kd

Western blotting: 1:500-1:3000

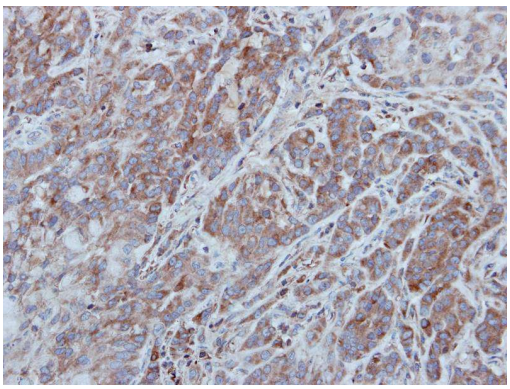
Immunohistochemistry: 1:50-1:500

Immunofluorescence: 1:100-1:200

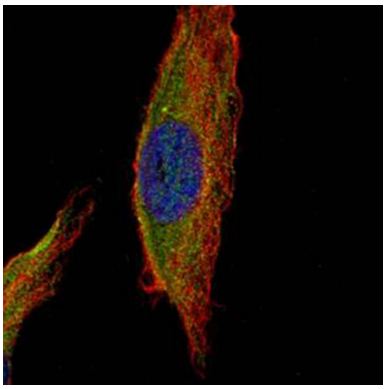
Images



Sample (30 ug of whole cell lysate)
A: 293T
5% SDS PAGE
Primary antibody diluted at 1: 500



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



Confocal immunofluorescence analysis (Olympus FV10i) of methanol-fixed HeLa, using UNC13B antibody (Green) at 1: 500 dilution and alpha-tubulin antibody (Red) at 1: 2000.

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 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. [provided by RefSeq]

Note: This product is for in vitro research use only