

## UNC13B Antibody

Catalog No: #43616

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

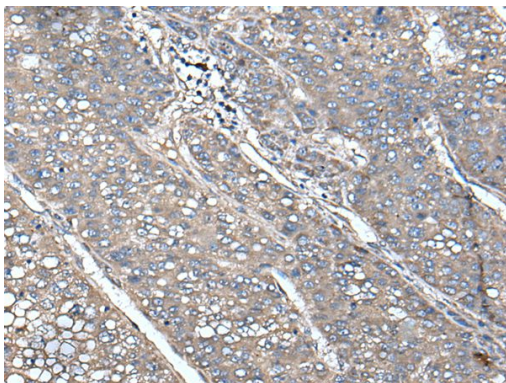
## Description

Product Name	UNC13B Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total UNC13B protein.
Immunogen Type	protein
Immunogen Description	Fusion protein of human UNC13B
Target Name	UNC13B
Other Names	UNC13; MUNC13; Unc13h2
Accession No.	Swiss-Prot#: O14795NCBI Gene ID: 10497
Uniprot	O14795
GeneID	10497;
Concentration	2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

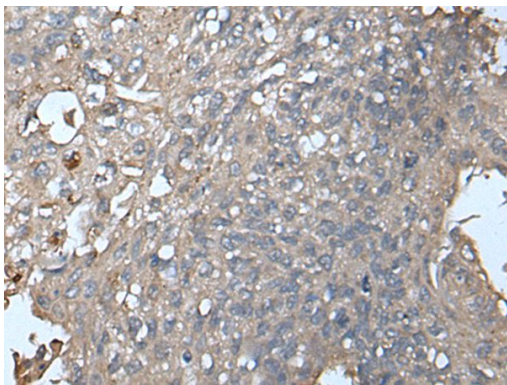
## Application Details

Immunohistochemistry: 1: 100-300

## Images



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using UNC13B Antibody at dilution 1/100, on the right is treated with fusion protein. (Original magnification: x200)



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using UNC13B Antibody at dilution 1/100, on the right is treated with fusion protein. (Original magnification: x200)

## 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.

Note: This product is for in vitro research use only