Anti-UNC13B antibody

Cat. No.	ml124166
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-UNC13B rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Fusion protein of human UNC13B
Reactivity	Human, Mouse, Rat
Content	1.5 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	UNC13B
Full name	unc-13 homolog B (C. elegans)
Synonyms	UNC13; MUNC13; Unc13h2
Swissprot	O14795

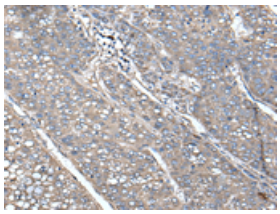
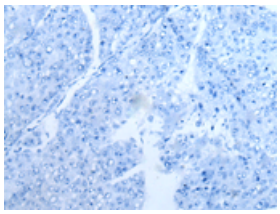
Target Background

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.

Applications

Immunohistochemistry

Predicted cell location: Cytoplasm
Positive control: Human liver cancer
Recommended dilution: 50-300

The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml124166(UNC13B Antibody) at dilution 1/85, on the right is treated with fusion protein. (Original magnification: ×200)

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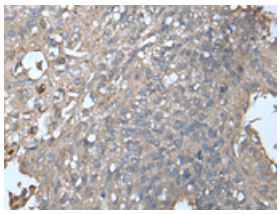
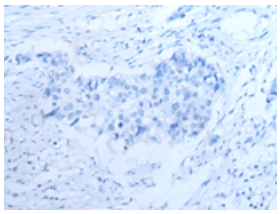

The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml124166(UNC13B Antibody) at dilution 1/85, on the right is treated with fusion protein. (Original magnification: ×200)

ELISA

Recommended dilution: 5000-10000

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