

# UNC13B Polyclonal Antibody

catalog number: E-AB-18509

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

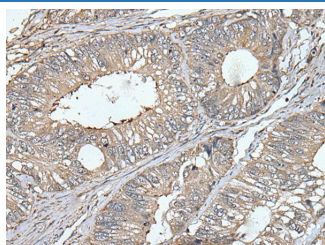
|                     |  |
|---------------------|--|
| <b>Reactivity</b>   | Human;Mouse;Rat  |
| <b>Immunogen</b>    | Fusion protein of human UNC13B   |
| <b>Host</b>         | Rabbit   |
| <b>Isotype</b>      | IgG  |
| <b>Purification</b> | Antigen affinity purification  |
| <b>Conjugation</b>  | Unconjugated   |
| <b>buffer</b>       | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |

## Applications

## Recommended Dilution

|            |            |
|------------|------------|
| <b>IHC</b> | 1:30-1:150 |
|------------|------------|

## Data



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using UNC13B Polyclonal Antibody at dilution of 1:40( $\times 200$ )

## Preparation & Storage

|                 |  |
|-----------------|--|
| <b>Storage</b>  | Store at $-20^{\circ}\text{C}$ Valid for 12 months. Avoid freeze / thaw cycles.                          |
| <b>Shipping</b> | The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended. |

## 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.

## For Research Use Only