

## Catenin delta 1 Rabbit monoclonal antibody

Catalog: MB66334

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

Catenin  $\delta$ -1 (p120 catenin) has an amino-terminal coiled-coil domain followed by a regulatory domain containing multiple phosphorylation sites and a central Armadillo repeat domain of ten linked 42-amino acid repeats. The carboxy-terminal tail has no known function. Catenin  $\delta$ -1 fulfills critical roles in the regulation of cell-cell adhesion as it regulates E-cadherin turnover at the cell surface to determine the level of E-cadherin available for cell-cell adhesion. Catenin  $\delta$ -1 has both positive and negative effects on cadherin-mediated adhesion. Actin dynamics are also regulated by catenin  $\delta$ -1, which modulates RhoA, Rac, and cdc42 proteins. Analogous to  $\beta$ -catenin, catenin  $\delta$ -1 translocates to the nucleus, although its role at this location is unclear. Many studies show that catenin  $\delta$ -1 is expressed irregularly or is absent in various types of tumor cells, suggesting that catenin  $\delta$ -1 may function as a tumor suppressor.

### Product:

Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.

### Molecular Weight:

~ 105 kDa

### Swiss-Prot:

O60716

### Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

### Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/100), IP (1/10 - 1/50)

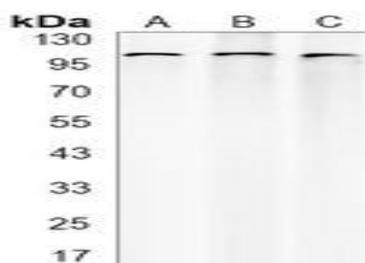
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

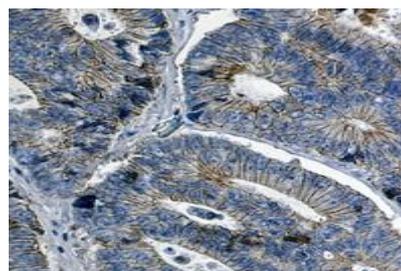
### Specificity:

Recognizes endogenous levels of Catenin delta 1 protein.

### DATA:



Western blot analysis of Catenin delta 1 expression in C6 (A), NIH3T3 (B), HeLa (C) whole cell lysates.



Immunohistochemical analysis of Catenin delta 1 staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.55). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

### Note:

For research use only, not for use in diagnostic procedure.

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