

Product Datasheet

Catenin delta 1 / CTNND1 Antibody

Catalog No: CY5025

Reactivity: Human, Mouse, Rat

Isotype: Rabbit IgG

Applications: WB, IHC, ICC, IP



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Information

UniProt ID: O60716

All Names: CAS; P120CAS; P120CTN; CTNND1; p120; CTNND1; CTND1; KIAA0384; Catenin delta 1; Catenin δ -1; delta 1 Catenin

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 105 kDa

Application

WB: 1:500~1:2000

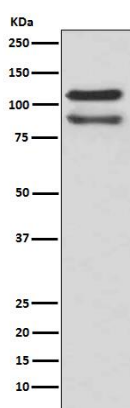
IHC: 1:50~1:100

ICC/IF: 1:50~1:100

IP: 1:30

Background

Catenin δ -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 δ -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 δ -1 has both positive and negative effects on cadherin-mediated adhesion. Actin dynamics are also regulated by catenin δ -1, which modulates RhoA, Rac, and cdc42 proteins. Analogous to β -catenin, catenin δ -1 translocates to the nucleus, although its role at this location is unclear. Many studies show that catenin δ -1 is expressed irregularly or is absent in various types of tumor cells, suggesting that catenin δ -1 may function as a tumor suppressor.



Western blot analysis of delta1 Catenin expression in HeLa cell lysate.

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