

## CTNND1

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC ICC IF IP

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IF 1:50 - 1:200  
IP 1:50 - 1:100

**Calculated MW:** 105kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human CTNND1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

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**Synonym:**

CAS; CTNND; KIAA0384; P120CAS; P120CTN; p120;

**Catalog #:** A1641

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 1500

**Isotype:** IgG

**Swiss Prot:** O60716

**Purity:** Affinity purification

For research use only.

**Background:**

Catenin -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 (1). Catenin -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 (2). Catenin -1 has both positive and negative effects on cadherin-mediated adhesion (3). Actin dynamics are also regulated by catenin -1, which modulates RhoA, Rac, and cdc42 proteins (1). Analogous to -catenin, catenin -1 translocates to the nucleus, although its role at this location is unclear. Many studies show that catenin -1 is expressed irregularly or is absent in various types of tumor cells, suggesting that catenin -1 may function as a tumor suppressor (4). Phosphorylation of Tyr904 on Catenin--1 was identified at Cell Signaling Technology (CST) using PhosphoScan®, a CST's LC-MS/MS platform for phosphorylation site discovery (5).

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