



CTNND1 Antibody

#24227

Catalog Number: 24227-1, 24227-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : O60716

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized peptide derived from Human CTNND1

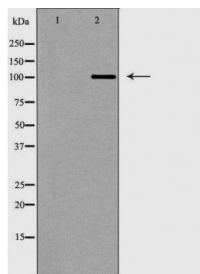
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Specificity/Sensitivity: CTNND1 Antibody detects endogenous levels of total CTNND1

Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 105kd WB:1:500-2000 IHC:1:50-200



Western blot analysis of extracts of human brain cell lines, using CTNND1 antibody.

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.