

Product datasheet for **TA389073**

Phospho-CTNND1 (pTyr228) Mouse Antibody [Clone ID: M356]

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | M356 |
| Applications: | ICC, WB |
| Recommended Dilution: | WB: 1:1000 ICC: 1:100 |
| Reactivity: | Human, Rat, Mouse |
| Host: | Mouse |
| Isotype: | IgG1 |
| Immunogen: | Clone M356 was generated from a phospho- δ 1-Catenin (Tyr-228) synthetic peptide containing amino acid residues around tyrosine 228 of human δ 1-Catenin. This peptide sequence is highly conserved in rat and mouse δ 1-Catenin. |
| Specificity: | The antibody detects a 110 kDa* protein corresponding to the molecular mass of δ 1-Catenin on SDS-PAGE immunoblots of human A431 and HUVEC cells treated with pervanadate. This antibody does not detect this band after alkaline phosphatase treatment. |
| Formulation: | PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol |
| Concentration: | lot specific |
| Purification: | Protein A Purified |
| Conjugation: | Unconjugated |
| Storage: | Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C. |
| Stability: | After date of receipt, stable for at least 1 year at -20°C. |
| Predicted Protein Size: | 110 |
| Database Link: | O60716 |



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Background:

Catenins have emerged as molecular sensors that integrate cell-cell junctions and cytoskeletal dynamics with signaling pathways that control morphogenesis and cell to cell communication. δ 1-Catenin (p120 catenin) is a catenin family member which contains an N-terminal coiled-coil domain, a regulatory domain containing multiple phosphorylation sites, and a central Armadillo repeat domain. δ 1-Catenin regulates E-cadherin turnover, and has both positive and negative effects on cadherin-mediated adhesion. Actin dynamics are also regulated by δ 1-Catenin, which can modulate RhoA, Rac and cdc42 activity. δ 1-Catenin is phosphorylated at multiple tyrosine, serine and threonine sites both in vitro and in vivo. High levels of δ 1-Catenin phosphorylated at Tyr-228 are commonly seen in several carcinoma cell lines and after EGFR activation. Many other tyrosine sites are also phosphorylated in the N-terminal region including Tyr-96, Tyr-112, Tyr-280, and Tyr-302. In addition, Thr-310 and Thr-916 are constitutively phosphorylated in many cell types, however this phosphorylation may occur only in δ 1-Catenin associated with the plasma membrane.

Note:

Protein G purified tissue culture supernatant.