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## 36-2129: Anti-Catenin, alpha-1 (CTNNA1) Monoclonal Antibody(Clone: 1G5)

Clonality: Monoclonal

Clone Name: 1G5

Application: FACS,IF,WB
Reactivity: Human
Gene: CTNNA1
Gene ID: 1495
Uniprot ID: P35221

Alternative Name:

Alpha E-catenin; Cadherin-associated protein; CAP102; Catenin alpha-1; CTNNA1; Renal

carcinoma antigen NY-REN-13

**Isotype:** Mouse IgG1, kappa

Immunogen Information: Human alpha catenin fusion protein

## **Description**

Recognizes a protein of 102kDa, identified as Catenin, alpha-1. Catenins comprise a large family of Ca2+-dependent, homotypic cell-cell adhesion molecules that play important roles in development, epithelial cell polarity and tumor progression. Alpha-catenin is a key regulator of actin dynamics in cell-cell adhesion. During cell-cell adhesion, -catenin and links the cadherins to actin associated with the cytoskeleton. Alpha-catenin also regulates the beta-catenin signaling in various cells. It displays the tumor suppressor activity and is found to be down regulated in some forms of breast cancer.'

## **Product Info**

**Amount:** 20 μg / 100 μg

Content: 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS

with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

**Storage condition :** Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody

is stable for 24 months. Non-hazardous.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml);

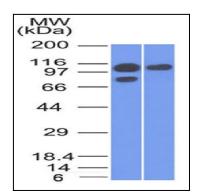


Fig. 1: Western Blot of A431 and MCF-7 cell lysate using Catenin, alpha-1 Mouse Monoclonal Antibody (1G5).



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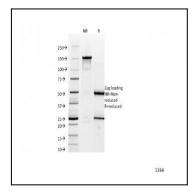


Fig. 2: SDS-PAGE Analysis Purified Catenin, alpha-1 Mouse Monoclonal Antibody (1G5).