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35-1813: Polyclonal Antibody to Gamma-Catenin Antibody

Clonality :	Polyclonal
Application :	WB
Reactivity :	Mouse,Human
Gene :	JUP
Gene ID :	3728
Uniprot ID :	P14923
Format :	Purified
Alternative Name :	DP3, PDGB, PKGB, CTNNG, ARVD12
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.726~730(I-D-T-Y-S) derived from Human g-Catenin

Description

Common junctional plaque protein. The membrane-associated plaques are architectural elements in an important strategic position to influence the arrangement and function of both the cytoskeleton and the cells within the tissue. The presence of plakoglobin in both the desmosomes and in the intermediate junctions suggests that it plays a central role in the structure and function of submembranous plaques. Acts as a substrate for VE-PTP and is required by it to stimulate VE-cadherin function in endothelial cells. Can replace beta-catenin in E-cadherin/catenin adhesion complexes which are proposed to couple cadherins to the actin cytoskeleton "Characterization of the interactions of a-catenin with a-actinin and beta-catenin/plakoglobin." Nieset J.E., Redfield A.R., Jin F., et al. J. Cell Sci. 110:1013-1022(1997) "Interaction of the DF3/MUC1 breast carcinoma-associated antigen and beta-catenin in cell adhesion." Yamamoto M., Bharti A., Li Y., Kufe D. J. Biol. Chem. 272:12492-12494(1997) "The transmembrane receptor protein tyrosine phosphatase DEP1 interacts with p120(ctn)." Holsinger L.J., Ward K., Duffield B., Zachwieja J., Jallal B. Oncogene 21:7067-7076(2002)

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 83kd, Western blotting: 1:500~1:1000

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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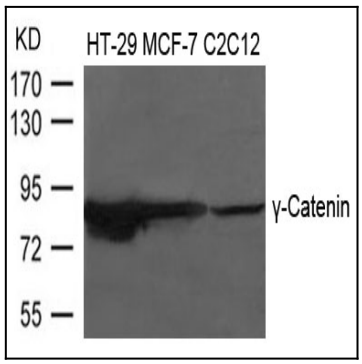


Figure 1: Western blot analysis of extracts from HT-29, MCF-7 and C2C12 cells using g-Catenin Antibody 35-1813 .

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