

## g-Catenin Antibody

Catalog No: #21645

Package Size: #21645-1 50ul #21645-2 100ul

Orders: order@signalwayantibody.com

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## Description

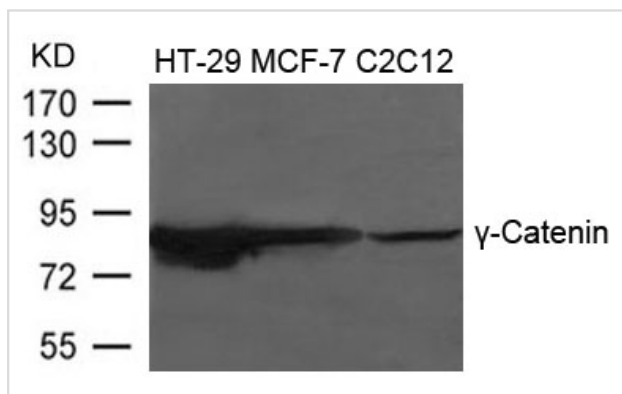
Product Name	g-Catenin Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total g-Catenin protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.726~730(I-D-T-Y-S) derived from Human g-Catenin
Target Name	g-Catenin
Other Names	DP3; PDGB; PKGB; CTNNG; ARVD12
Accession No.	Swiss-Prot: P14923NCBI Protein: NP_002221.1
Uniprot	P14923
GeneID	3728;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

## Application Details

Predicted MW: 83kd

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from HT-29, MCF-7 and C2C12 cells using g-Catenin Antibody #21645.

## Background

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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 &quot;Characterization of the interactions of a-catenin with a-actinin and beta-catenin/plakoglobin.&quot;

Nieset J.E., Redfield A.R., Jin F., et al. J. Cell Sci. 110:1013-1022(1997) &quot;Interaction of the DF3/MUC1 breast carcinoma-associated antigen and beta-catenin in cell adhesion.&quot;

Yamamoto M., Bharti A., Li Y., Kufe D. J. Biol. Chem. 272:12492-12494(1997) &quot;The transmembrane receptor protein tyrosine phosphatase DEP1 interacts with p120(ctn).&quot;

Holsinger L.J., Ward K., Duffield B., Zachwieja J., Jallal B. Oncogene 21:7067-7076(2002)

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Note: This product is for in vitro research use only