

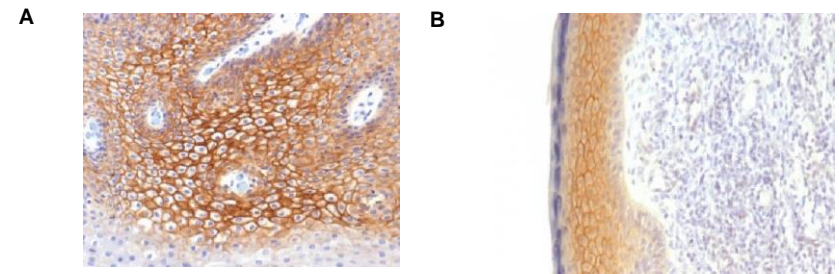
## Anti-Catenin, gamma Antibody (CTNG/1483)

<b>CATALOG NO:</b>	A1469-100
<b>ALTERNATIVE NAMES:</b>	ARVD12; Catenin (cadherin-associated protein), gamma 80kDa; Catenin gamma; CTNNG; Desmoplakin III; Desmoplakin-3; DP3; DPIII; Junction Plakoglobin; PDGB; PKGB
<b>AMOUNT:</b>	100 µg
<b>IMMUNOGEN:</b>	Recombinant human full-length gamma catenin protein
<b>HOST/ISOTYPE:</b>	Mouse IgG1, kappa
<b>CLONALITY:</b>	Monoclonal
<b>CLONE:</b>	CTNG/1483
<b>MOL WEIGHT:</b>	80-87 kDa
<b>SPECIES REACTIVITY:</b>	Human
<b>PURIFICATION:</b>	Protein A/G purified
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	Supplied in 10 mM PBS with 0.05% BSA & 0.05% azide
<b>STORAGE CONDITIONS:</b>	Shipped at 4°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles

**DESCRIPTION:** It recognizes a protein of 80-87kDa, identified as gamma-catenin. The catenins ( $\alpha$ ,  $\beta$ ,  $\gamma$  and  $\delta$ ) are ubiquitously expressed, cytoplasmic proteins that associate with E-cadherin at cellular junctions. Catenin/cadherin complexes play an important role in mediating cellular adhesion.  $\alpha$  T-catenin, also referred to as VR22, is a 895-amino acid protein that is most abundantly expressed in cardio-myocytes and in the peritubular myoid cells of the testis.  $\alpha$  T-catenin binds to  $\alpha$  E-catenin as well as to  $\beta$ -catenin, and it functions to inhibit Wnt signaling. CTNNA3, the gene that encodes for  $\alpha$ -T-catenin, is located on chromosome 10, and mutations in this gene show a strong correlation to late-onset Alzheimer s disease (LOAD) as well as to dilated cardiomyopathy.

**APPLICATION:** FC: 0.5-1 ug/1X10<sup>6</sup> cells  
IF: 1-2 ug/ml  
WB: 0.5-1ug/ml  
IHC: 0.1-0.2 ug/ml for 30 minutes at RT  
(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user.



**Fig. A.** Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with Catenin, gamma Monoclonal Antibody (CTNG/1483)

**Fig. B** Formalin-fixed, paraffin-embedded human Skin stained with Catenin, gamma Monoclonal Antibody (CTNG/1483)

### RELATED PRODUCTS:

- Anti-Caldesmon Antibody (SPM168) (Cat. No. A1452)
- Anti-Calgranulin B Antibody (CAGB/426) (Cat. No. A1453)
- Anti-Calnexin Antibody (CANX/1541) (Cat. No. A1461)
- Anti-Calponin-1 Antibody (CALP) (Cat. No. A1462)
- Anti-Carbonic Anhydrase IX Antibody (CA9/781) (Cat. No. A1463)
- Anti-Carcinoembryonic Antigen Antibody (C66/1260) (Cat. No. A1464)
- Anti-Carcinoembryonic Antigen, pan Antibody (Cocktail) (Cat. No. A1465)
- Anti-Catenin, alpha-1 Antibody (1G5) (Cat. No. A1466)
- Anti-Catenin, beta Antibody (CTNNB1/1507) (Cat. No. A1467)
- Anti-Catenin, gamma Antibody (11 E4) (Cat. No. A1468)

**FOR RESEARCH USE ONLY! Not to be used on humans.**