

Rabbit Catenin-gamma Polyclonal Antibody | anti-CTNNG antibody

Catenin-gamma Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320773	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Catenin-gamma; Polyclonal Antibody; Catenin-gamma Antibody; ARVD 12; ARVD12; Catenin (cadherin associated protein); gamma 80kDa; catenin (cadherin-associated protein) gamma (80kD); Catenin gamma; Desmoplakin 3; Desmoplakin III; Desmoplakin-3; Desmoplakin3; DesmoplakinIII; DP 3; DP III; DP3; DPIII; gamma catenin; Junction plakoglobin; JUP; OTTHUMP00000164732; OTTHUMP00000164735; OTTHUMP00000164738; PDGB; PKGB; PLAK_HUMAN; PLAKOGLOBIN; anti-CTNNG antibody

PRODUCT SPECIFICATIONS

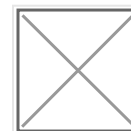
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Catenin-gamma antibody detects endogenous levels of total Catenin-gamma
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	745
Applicable Applications for anti-CTNNG antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Catenin-gamma
Subcellular Location	Cell Junction > Adherens Junction. Cell Junction > Desmosome. Cytoplasm > Cytoskeleton. Membrane. Cytoplasmic in a soluble and membrane-associated form.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA320773 at 1/200 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA320773 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis on HeLa cell lysate using Catenin-gamma Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CTNNG antibody	Description: Desmoplakin 3 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. Belongs to the beta-catenin family. Homodimer. Interacts with MUC1. Function: 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 (By similarity). Subunit Structure: Homodimer. Component of an E-cadherin/catenin adhesion complex composed of at least E-cadherin/CDH1 and gamma-catenin/JUP, and possibly alpha-catenin/CTNNA1; the complex is located to adherens junctions. The stable association of CTNNA1 is controversial as CTNNA1 was shown not to bind to F-actin when assembled in the complex. Interacts with MUC1. Interacts with CAV1 (By similarity). Interacts with PTPRJ. Interacts with DSG1. Interacts with DSC1 and DSC2. Interacts with PKP2. Post-translational Modifications: May be phosphorylated by FER. Similarity: The entire ARM repeats region mediates binding to CDH1/E-cadherin. The N-terminus and first three ARM repeats are sufficient for binding to DSG1. The N-terminus and first ARM repeat are sufficient for association with CTNNA1. DSC1 association requires both ends of the ARM repeat region. Belongs to the beta-catenin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504811
NCBI GeneID	3728
NCBI Accession #	NP_002221.1
NCBI GenBank Nucleotide #	NM_002230.3
UniProt Accession #	P14923 ; Q15093 ; Q15151 ; Q7L3S5 ; Q86W21 ; Q9BWC4 ; Q9HCX9
Molecular Weight	Observed: 82 kDa Predicted: 82 kDa
NCBI Official Full Name	junction plakoglobin
NCBI Official Synonym Full Names	junction plakoglobin
NCBI Official Symbol	JUP
NCBI Official Synonym Symbols	DP3; PDGB; PKGB; CTNNG; DPIII
NCBI Protein Information	junction plakoglobin
UniProt Protein Name	Junction plakoglobin
UniProt Gene Name	JUP
UniProt Synonym Gene Names	CTNNG; DP3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/catenin-gamma-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320773>