

Rabbit Junction plakoglobin Polyclonal Antibody | anti-JUP antibody

Anti-gamma Catenin Antibody

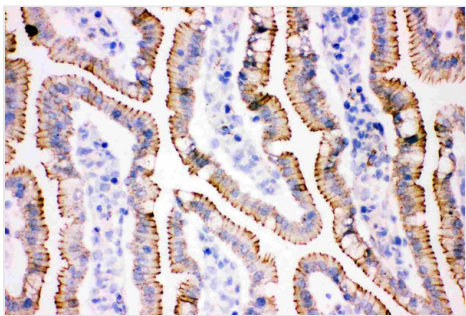
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11635	Rabbit	Human, Mouse, Rat. No cross reactivity with other proteins.	Western Blot, Immunohistochemistry, Immunohistochemistry

PRODUCT SYNONYMS

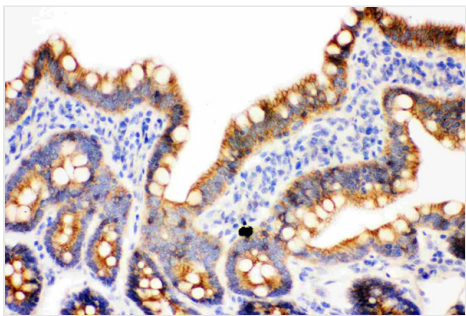
Junction plakoglobin; Polyclonal Antibody; Anti-gamma Catenin Antibody; ARVD 12 antibody; ARVD12 antibody; Catenin (cadherin associated protein) gamma 80kDa antibody; Catenin (cadherin associated protein); gamma 80kDa antibody; catenin (cadherin-associated protein) gamma (80kD) antibody; Catenin gamma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

PRODUCT SPECIFICATIONS

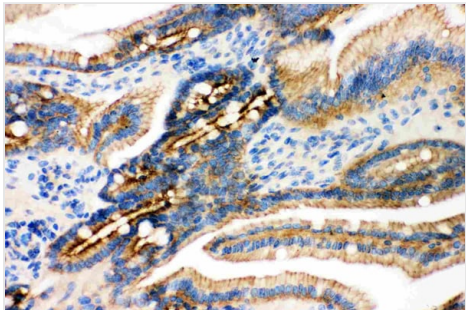
Host	Rabbit
Reactivity	Human, Mouse, Rat. No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	745
Applicable Applications for anti-JUP antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Application Notes	Western Blot: Concentration: 0.1-0.5µg/ml; Tested Species: Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section): Concentration: 0.5-1µg/ml; Tested Species: Human, Mouse, Rat Immunohistochemistry (Frozen Section): Concentration: 0.5-1µg/ml; Tested Species: Rat; Predicted Species: Human
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500µg/ml.
Immunogen	E.coli-derived human gamma Catenin recombinant protein (Position: M556-A745). Human gamma Catenin shares 98% amino acid (aa) sequence identity with both mouse and rat gamma Catenin.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



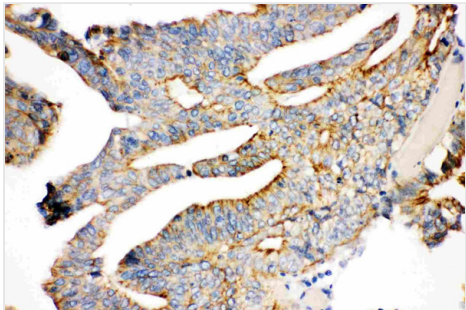
IHC (Immunohistochemistry)
Anti- gamma Catenin Picoband antibody, AAA11635, IHC(F)IHC(F): Rat Intestine Tissue



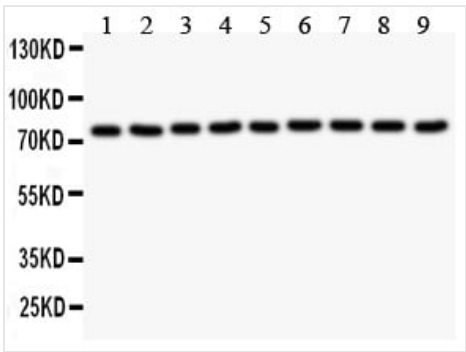
IHC (Immunohistochemistry)
Anti- gamma Catenin Picoband antibody, AAA11635, IHC(P)IHC(P): Rat Intestine Tissue



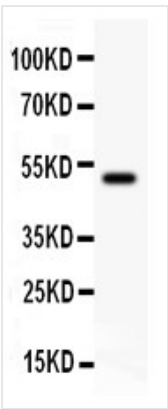
IHC (Immunohistochemistry)
Anti- gamma Catenin Picoband antibody, AAA11635, IHC(P)IHC(P): Mouse Intestine Tissue



IHC (Immunohistochemistry)
Anti- gamma Catenin Picoband antibody, AAA11635, IHC(P)IHC(P): Human Intestinal Cancer Tissue



WB (Western Blot)
Anti- gamma Catenin Picoband antibody, AAA11635, Western blottingAll lanes: Anti gamma Catenin (AAA11635) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Rat Cardiac Muscle Tissue Lysate at 50ugLane 3: Rat Thymus Tissue Lysate at 50ugLane 4: RH35 Whole Cell Lysate at 40ugLane 5: Hela Whole Cell Lysate at 40ugLane 6: Colo320 Whole Cell Lysate at 40ugLane 7: HepG2 Whole Cell Lysate at 40ugLane 8: HepA Whole Cell Lysate at 40ugLane 9: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 81KD Observed bind size: 81KD



WB (Western Blot)
Anti- gamma Catenin Picoband antibody, AAA11635, Western blottingAll lanes: Anti gamma Catenin(AAA11635) at 0.5ug/mlWB: Recombinant Human gamma Catenin Protein 0.5ngPredicted bind size: 47KDObserved bind size: 47KD

ADDITIONAL INFORMATION

Related Product Information for anti-JUP antibody

Description: Rabbit IgG polyclonal antibody for Junction plakoglobin(JUP) detection. Tested with WB, IHC-P, IHC-F in Human;Mouse;Rat.

Background: Junction plakoglobin(JUP), also known as gamma-catenin, is a protein that in humans is encoded by the JUP gene. It is a member of the catenin protein family and homologous to beta-catenin, and it is mapped to 17q21.2. This gene encodes a major cytoplasmic protein that is the only known constituent common to submembranous plaques of both desmosomes and intermediate junctions. This protein forms distinct complexes with cadherins and desmosomal cadherins. Meanwhile, JUP may have distinct roles in Wnt signaling and cancer via differential effects on downstream target genes.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504811
NCBI GeneID	3728
NCBI Accession #	NP_002221.1
NCBI GenBank Nucleotide #	NM_002230.2
UniProt Accession #	P14923; Q15093; Q15151; Q7L3S5; Q86W21; Q9BWC4; Q9HCX9
Molecular Weight	81,745 Da
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; ARVD12
NCBI Protein Information	junction plakoglobin; desmoplakin-3; desmoplakin III; catenin (cadherin-associated protein), gamma 80kDa
UniProt Protein Name	Junction plakoglobin
UniProt Gene Name	JUP
UniProt Synonym Gene Names	CTNNG; DP3
UniProt Entry Name	PLAK_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/junction-plakoglobin-antibody-western-blot-immunohistochemistry-immunohistochemistry-elisa/11635>