

## Product datasheet for **TA321451**

### gamma Catenin (JUP) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: A549 and human fetal brain tissue IHC: 25-100 Positive control: Human cervical cancer Predicted cell location: Cell membrane
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 708-722 amino acids of Human junction plakoglobin
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	82 kDa
Gene Name:	junction plakoglobin
Database Link:	<a href="#">NP_002221</a> <a href="#">Entrez Gene 16480 Mouse</a> <a href="#">Entrez Gene 81679 Rat</a> <a href="#">Entrez Gene 3728 Human</a> <a href="#">P14923</a>



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**Background:**

This gene encodes a major cytoplasmic protein which 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 and is a member of the catenin family since it contains a distinct repeating amino acid motif called the armadillo repeat. Mutation in this gene has been associated with Naxos disease. Alternative splicing occurs in this gene; however; not all transcripts have been fully described.

**Synonyms:**

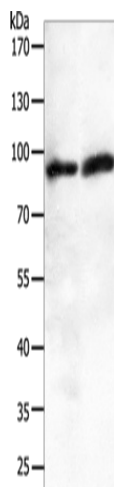
ARVD12; CTNNG; DP3; DPIII; PDGB; PKGB

**Protein Families:**

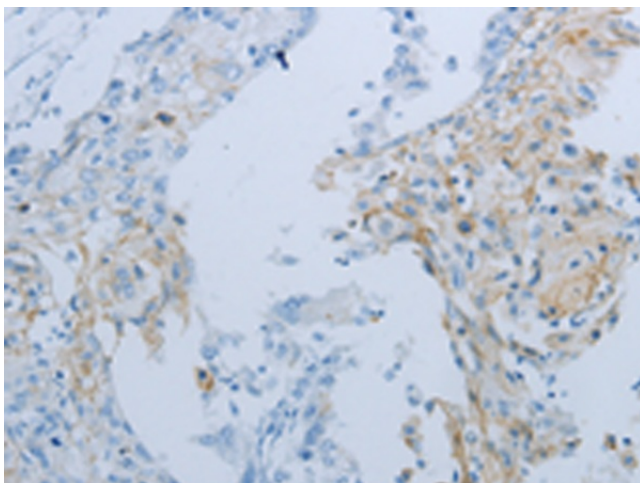
Druggable Genome

**Protein Pathways:**

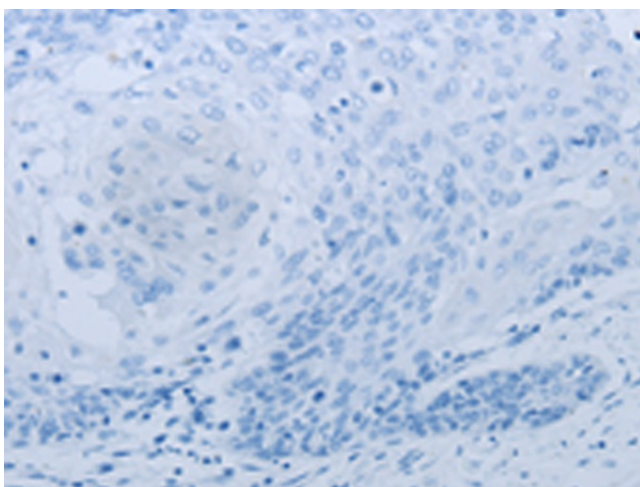
Acute myeloid leukemia, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Pathways in cancer

**Product images:**

Gel: 10%SDS-PAGE  
Lysate: 50 µg  
Lane 1-2: A549 cells  
human fetal brain tissue  
Primary antibody: TA321451 (JUP Antibody) at dilution 1/200  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 2 minutes



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA321451 (JUP Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA321451 (JUP Antibody) at dilution 1/25, treated with synthetic peptide. (Original magnification: ×200)