

**Goat anti-Plakoglobin / Gamma-catenin, Biotinylated Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF4357a

**Specification**

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**Goat anti-Plakoglobin / Gamma-catenin, Biotinylated Antibody - Product Information**

Application	<b>WB, Pep-ELISA</b>
Primary Accession	<a href="#">P14923</a>
Other Accession	<a href="#">NP_002221.1</a> , <a href="#">NP_068831.1</a>
Reactivity	<b>Human</b>
Host	<b>Goat</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>81745</b>

**Goat anti-Plakoglobin / Gamma-catenin, Biotinylated Antibody - Additional Information**

**Gene ID** 3728

**Other Names**

JUP; junction plakoglobin; ARVD12; CTNNG; DP3; DPLI; PDGB; PKGB; catenin (cadherin-associated protein), gamma 80kDa; desmoplakin III; desmoplakin-3

**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**Immunogen**

This antibody is expected to recognise both reported isoforms, as represented by NP\_002221.1 and NP\_068831.1.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat anti-Plakoglobin / Gamma-catenin, Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat anti-Plakoglobin / Gamma-catenin, Biotinylated Antibody - Protein Information**

**Name** JUP ([HGNC:6207](#))

**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).

**Cellular Location**

Cell junction, adherens junction. Cell junction, desmosome. Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein. Cytoplasm {ECO:0000250|UniProtKB:Q9PVF7}. Cell junction {ECO:0000250|UniProtKB:Q9PVF7}. Nucleus {ECO:0000250|UniProtKB:Q9PVF7} Note=Cytoplasmic in a soluble and membrane-associated form. Colocalizes with DSG4 at desmosomes (PubMed:21495994)

**Tissue Location**

Expressed in the heart (at protein level).

**Goat anti-Plakoglobin / Gamma-catenin, Biotinylated Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat anti-Plakoglobin / Gamma-catenin, Biotinylated Antibody - Images**