

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

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

Application	WB, Pep-ELISA
Primary Accession	P14923
Other Accession	NP_002221.1 , NP_068831.1
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	81745

Goat anti-Plakoglobin / Gamma-catenin, Biotinylated Antibody - Additional Information**Gene ID** 3728**Other Names**

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

DilutionWB~~1:1000
Pep-ELISA~~N/A**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