

## Goat anti-Plakoglobin / Gamma-catenin Antibody

<b>Item Number</b>	dAP-0341
<b>Target Molecule</b>	Principle Name: Plakoglobin / Gamma-catenin; Official Symbol: JUP; All Names and Symbols: JUP; GAMMA-CATENIN; gamma-catenin; junction plakoglobin; DP3; PDGB; PKGB; DP11; ARVD12; CTNNG; OTTHUMP00000164735; catenin (cadherin-associated protein), gamma (80kD); catenin (cadherin-associated protein), gamma 80kDa; Accession Number (s): NP_002221.1, NP_068831.1; Human Gene ID(s): 3728; Non-Human GeneID(s): 16480 (mouse)
<b>Immunogen</b>	GLRPPYPTADHMLA, is from C Terminus This antibody is expected to recognise both reported isoforms, as represented by NP_002221.1 and NP_068831.1.
<b>Applications</b>	Pep ELISA, WB, IHC  Species Tested: Human, Mouse, Rat
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 32000.
<b>Western Blot</b>	Western Blot: Approx 80kDa band observed in lysates of cell lines A431 and NIH3T3 and in Rat Eye lysates (calculated MW of 81.7kDa according to Human NP_002221.1 and Mouse NP_034723.1). Recommended concentration: 0.1-0.3µg/ml.
<b>IHC</b>	Immunohistochemistry: Paraffin embedded Human Heart. Recommended concentration: 5µg/ml.
<b>Reference</b>	Reference(s): Knudsen KA, Wheelock MJ. Plakoglobin, or an 83-kD homologue distinct from beta-catenin, interacts with E-cadherin and N-cadherin. J Cell Biol. 1992 Aug;118(3):671-9. PMID: 1639850->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**