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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB05500-T - Goat Anti-Plakoglobin / Gamma-catenin Antibody - Trial

Size: 20µg specific antibody in 40µl



Target Protein

Principal Names: JUP, GAMMA-CATENIN, junction plakoglobin, DP3, PDGB, PKGB, DPIII, ARVD12, CTNNG, catenin (cadherin-associated protein), gamma (80kD), catenin (cadherin-associated protein), gamma 80kDa, desmoplakin III, desmoplakin-3

Official Symbol: JUP

Accession Number(s): NP_002221.1, NP_068831.1

Human GeneID(s): [3728](#)

Non-Human GeneID(s): 16480 (mouse)

Important Comments: This antibody is expected to recognise both reported isoforms, as represented by NP_002221.1 and NP_068831.1.

Immunogen

Peptide with sequence C-GLRPPYPTADHMLA, from the C Terminus of the protein sequence according to NP_002221.1, NP_068831.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

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.

IHC: Paraffin embedded Human Heart. Recommended concentration: 5µg/ml.

Species Reactivity

Tested: Human, Mouse, Rat

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig

EB05500 (0.3µg/ml) staining of A431 (A) and NIH3T3 (B) cell lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB05500 staining (1µg/ml) of Rat Eye lysate (RIPA buffer, 35µg total protein per lane). Primary incubated for 1 hour. Detected by chemiluminescence.

EB05500 (5µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.