

## UK Office

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

## EB05500 - Goat Anti-Plakoglobin / Gamma-catenin Antibody

Size: 100µg specific antibody in 200µl



### 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.