

## UK Office

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

## EB05500-B - Goat Anti-Plakoglobin / Gamma-catenin, Biotinylated Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** JUP, junction plakoglobin, ARVD12, CTNNG, DP3, DP11, PDGB, PKGB, catenin (cadherin-associated protein), gamma 80kDa, desmoplakin III, desmoplakin-3, catenin (cadherin-associated protein), gamma (80kD), GAMMA-CATENIN

**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

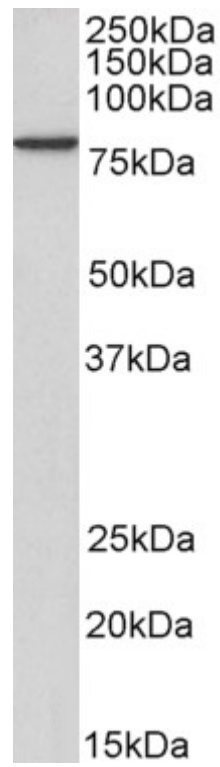
**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 80kDa band observed in lysates of cell line A431 (calculated MW of 81.7kDa according to Human NP\_002221.1). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 1-3µg/ml.

### Species Reactivity

**Tested:** Human, Mouse, Rat

**Expected from sequence similarity:** Human



Biotinylated EB05500 (2 $\mu$ g/ml) staining of A431 lysate (35 $\mu$ g protein in RIPA buffer), exactly mirroring its parental non-biotinylated product. Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.