

### **International Office**

#### **Everest Biotech Ltd**

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

**Customer Service:** 

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

### www.everestbiotech.com

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# EB12865 - Goat Anti-PRKACA Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

**Principal Names:** PRKACA, protein kinase, cAMP-dependent, catalytic, alpha, PKACA, PPNAD4, PKA C-alpha, cAMP-dependent protein kinase catalytic subunit alpha, protein

kinase A catalytic subunit

Official Symbol: PRKACA

Accession Number(s): NP\_002721.1; NP\_997401.1; NP\_001291278.1

Human GeneID(s): 5566

**Important Comments:** This antibody is expected to recognize all three reported isoforms (NP\_002721.1; NP\_997401.1; NP\_001291278.1). Based on the choice of the immunizing peptide there is no expected cross-reactivity with the other subunits.

## **Immunogen**

Peptide with sequence C-KHKETGNHYAMK, from the internal region of the protein sequence according to NP\_002721.1; NP\_997401.1; NP\_001291278.1.

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 1:64000.

**Western blot:** Approx 40kDa band observed in lysates of cell line HeLa (calculated MW of 40.6kDa according to NP\_997401.1). Recommended concentration: 1-3µg/ml.

## **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB12865 ( $2\mu g/ml$ ) staining of HeLa lysate ( $35\mu g$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.