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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.