

Goat anti-PRKACA Antibody

Item Number	dAP-3319
Target Molecule	Principle Name: PRKACA; Official Symbol: PRKACA; All Names and Symbols: PRKACA; protein kinase, cAMP-dependent, catalytic, alpha; PKACA; PPNAD4; PKA C-alpha; cAMP-dependent protein kinase catalytic subunit alpha; protein kinase A catalytic subunit; Accession Number (s): NP_002721.1; NP_997401.1; NP_001291278.1; Human Gene ID(s): 5566; Non-Human GeneID(s):
Immunogen	ESPAQNTHLDQ, is from internal region (near N Terminus) 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
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 8000.
Western Blot	Western Blot: Approx 48kDa band observed in lysates of cell line HeLa and MCF7 (calculated MW of 49.1kDa according to NP_002721.1). Recommended concentration: 1-3µg/ml.
IHC	
Reference	Reference(s): Goh G, Scholl UI, Healy JM, Choi M, Prasad ML, Nelson-Williams C, Kunstman JW, Kuntsman JW, Korah R, Suttrop AC, Dietrich D, Haase M, Willenberg HS, Stålberg P, Hellman P, Akerström G, Björklund P, Carling T, Lifton RP. Recurrent activating mutation in PRKACA in cortisol-producing adrenal

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**