

Goat anti-CREB1 (aa96-109) Antibody

Item Number	dAP-2937
Target Molecule	Principle Name: CREB1 (aa96-109); Official Symbol: CREB1; All Names and Symbols: CREB1; cAMP responsive element binding protein 1; CREB; CREB-1; active transcription factor CREB; cAMP-response element-binding protein-1; cAMP-responsive element-binding protein 1; cyclic AMP-responsive element-binding protein 1; transactivator protein; Accession Number (s): NP_004370.1; NP_604391.1; Human Gene ID(s): 1385; Non-Human GenelD(s): 12912 (mouse)
Immunogen	DSQESVDSVTDSQK, is from internal region This antibody is expected to recognize both reported isoforms (NP_004370.1; NP_604391.1).
Applications	Pep ELISA, WB Species Tested: Human, Mouse
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 128000.
Western Blot	Western Blot: Approx 45kDa band observed in nuclear lysates of cell lines Jurkat and NIH3T3 (calculated MW of 36.7kDa according to NP_604391.1). The observed molecular weight corresponds to earlier findings with different antibodies from other commercial
IHC	
Reference	Reference(s): Beaumont TL, Yao B, Shah A, Kapatos G, Loeb JA. Layer-specific CREB target gene induction in human neocortical epilepsy. The Journal of neuroscience : the official journal of the Society for Neuroscience 2012 Oct 32 (41): 14389-401..PMID: 23055509->

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 end users! This product is sold for **Research Use Only**