

Product datasheet for **AP06074PU-N**

KAT3A / CBP (CREBBP) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western blot: 1/500–1/1000. Immunohistochemistry on Paraffin sections: 1/50–1/200. Immunofluorescence: 1/50–1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 2395–2440 of Human CBP.
Specificity:	This antibody detects endogenous levels of CREB-binding protein (region surrounding Val2427).
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff – Purified State: Liquid purified Ig fraction Preservative: 0.05% Sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen (> 95% pure by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2–8°C for one month or (in aliquots) at –20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~265 kDa
Gene Name:	CREB binding protein

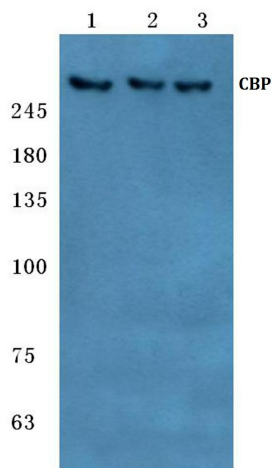


Database Link: [Entrez Gene 1387 Human Q92793](#)

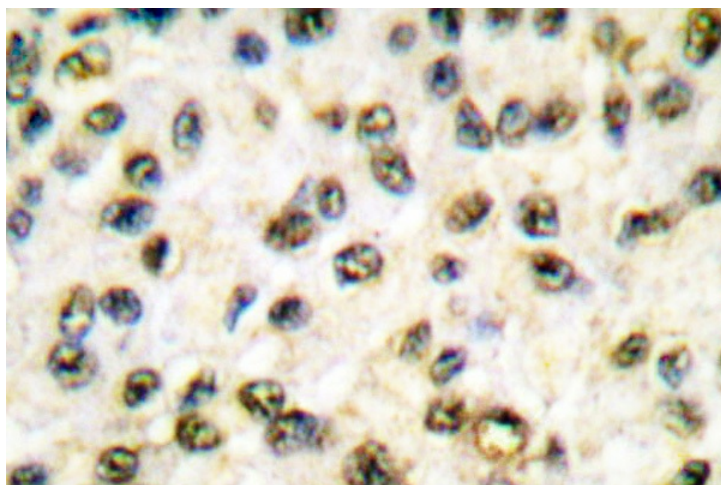
Background: Cyclic AMP-regulated gene expression frequently involves a DNA element designated the cAMP-regulated enhancer (CRE). Many transcription factors bind to this element, including the protein CREB, which is activated as a result of phosphorylation by protein kinase A. It has been shown that protein kinase A-mediated CREB phosphorylation results in its binding to a nuclear protein designated CBP (for CREB-binding protein). These findings suggest that CBP has many of the properties expected of a CREB co-activator. Another high molecular weight transcriptional adapter protein, designated p300, is characterized by three cysteine- and histidine-rich regions, of which the most carboxy-terminal region specifically binds the adenovirus E1A protein. p300 molecules lacking an intact E1A binding site bypass E1A repression, even in the presence of high concentrations of E1A. Sequence analysis of CBP and p300 has revealed substantial homology, arguing that these proteins are members of a conserved family of co-activators.

Synonyms: CREBBP, CBP

Product images:



Western blot (WB) analysis of CBP antibody at 1/500 dilution Lane 1:Hela cell lysate Lane 2:Mouse spleen tissue lysate Lane 3:Rat liver tissue lysate



Immunohistochemical analysis in paraffin-embedded human breast carcinoma tissue using CREB-binding protein antibody.