

## Product datasheet for **AP12596PU-N**

### **CREB1 pSer133 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western Blot: 1/100-1/500. Immunohistochemistry: 1/50-1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S133 of human CREB.
Specificity:	This antibody detects CREB pSer133. Predicted to cross react with Mouse (100% Antigen Homology).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Affinity Chromatography. Then, the antibody fraction is peptide affinity purified in a 2-step procedure with control and phosphorylated peptides. The phospho-specific antibody is eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Gene Name:	cAMP responsive element binding protein 1
Database Link:	<a href="#">Entrez Gene 1385 Human P16220</a>



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**Background:**

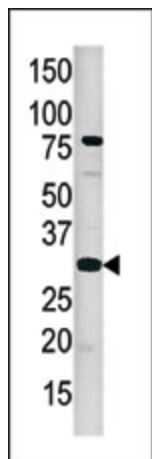
CREB is a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds as a homodimer to the cAMP-responsive element, (CRE), a sequence present in many viral and cellular promoters. The protein is phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway.

**Synonyms:**

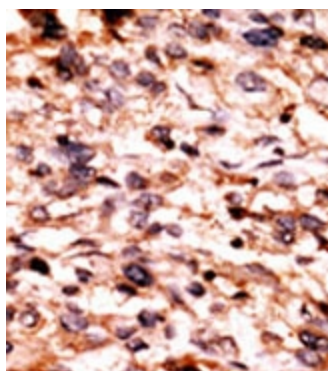
CREB-1

**Note:**

**Molecular weight:** 36688 Da

**Product images:**


Western blot analysis of anti-Phospho-CREB pSer133 Pab in CEM cell line tissue lysate (35ug/lane). Phospho-CREB-pS133 (arrow) was detected using the purified Pab (1:40 dilution).



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.