

**CREB1 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11707c****Specification**

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**CREB1 Antibody (Center) Blocking peptide - Product Information**Primary Accession [P16220](#)**CREB1 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 1385**Other Names**

Cyclic AMP-responsive element-binding protein 1, CREB-1, cAMP-responsive element-binding protein 1, CREB1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CREB1 Antibody (Center) Blocking peptide - Protein Information****Name** CREB1**Function**

Phosphorylation-dependent transcription factor that stimulates transcription upon binding to the DNA cAMP response element (CRE), a sequence present in many viral and cellular promoters (By similarity). Transcription activation is enhanced by the TORC coactivators which act independently of Ser-119 phosphorylation (PubMed:<a href="http://www.uniprot.org/citations/14536081" target="\_blank">14536081</a>). Involved in different cellular processes including the synchronization of circadian rhythmicity and the differentiation of adipose cells (By similarity). Regulates the expression of apoptotic and inflammatory response factors in cardiomyocytes in response to ERFE-mediated activation of AKT signaling (By similarity).

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00312, ECO:0000255|PROSITE-ProRule:PRU00978, ECO:0000269|PubMed:12552083}

**CREB1 Antibody (Center) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **CREB1 Antibody (Center) Blocking peptide - Images**

#### **CREB1 Antibody (Center) Blocking peptide - Background**

The KHSRP gene encodes a multifunctional RNA-binding protein implicated in a variety of cellular processes, including transcription, alternative pre-mRNA splicing, and mRNA localization (Min et al., 1997 [PubMed 9136930]; Gherzi et al., 2004 [PubMed 15175153]).

#### **CREB1 Antibody (Center) Blocking peptide - References**

Michlewski, G., et al. Nat. Struct. Mol. Biol. 17(8):1011-1018(2010) Bikkavilli, R.K., et al. J. Cell. Sci. 123 (PT 8), 1352-1362 (2010) :Malz, M., et al. Hepatology 50(4):1130-1139(2009) Trabucchi, M., et al. Nature 459(7249):1010-1014(2009) Nechama, M., et al. BMC Cell Biol. 10, 70 (2009) :