10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CREB (pS111) Antibody

Rabbit polyclonal antibody to CREB (pS111)
Catalog # AP61179

Specification

Anti-CREB (pS111) Antibody - Product Information

Application	**WB**
Primary Accession	P16220
Other Accession	Q01147
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**35136**

Anti-CREB (pS111) Antibody - Additional Information

Gene ID 1385

Other Names
Cyclic AMP-responsive element-binding protein 1; CREB-1; cAMP-responsive element-binding protein 1

Target/Specificity
Recognizes endogenous levels of CREB (pS111) protein.

Dilution
WB~~WB (1/500 - 1/1000)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-CREB (pS111) Antibody - 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:14536081). 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).

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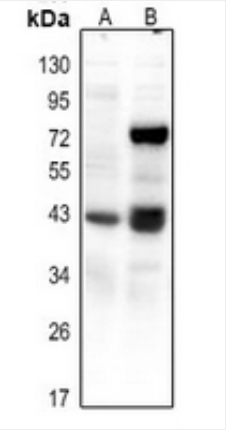
Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00312, ECO:0000255|PROSITE-ProRule:PRU00978, ECO:0000269|PubMed:12552083}

Anti-CREB (pS111) Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CREB (pS111) Antibody - Images



Western blot analysis of CREB (pS111) expression in mouse kidney (A), rat kidney (B) whole cell lysates.

Anti-CREB (pS111) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CREB (pS111). The exact sequence is proprietary.