

Phospho-CREB1-S133 Rabbit pAb

Catalog No.: AP0019 **25 Publications**

Basic Information

Observed MW

43kDa

Calculated MW

35kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes 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, an octameric palindrome. The protein is phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway. Alternate splicing of this gene results in several transcript variants encoding different isoforms.

Recommended Dilutions

WB	1:200 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:100

Immunogen Information

Gene ID

1385

Swiss Prot

P16220

Immunogen

A synthetic phosphorylated peptide around S133 of human CREB1 (NP_604391.1).

Synonyms

CREB; CREB-1; Phospho-CREB1-S133

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

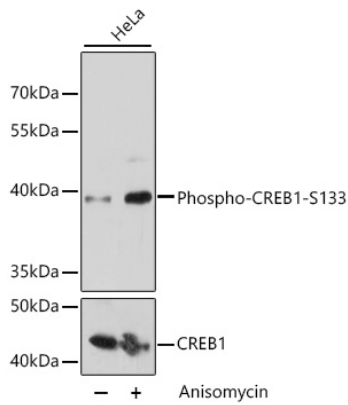
Affinity purification

Storage

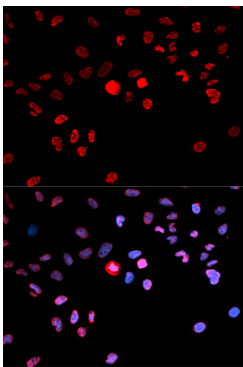
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

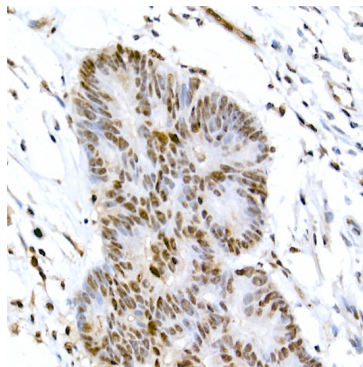
Validation Data



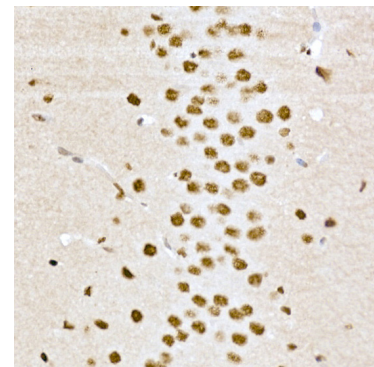
Western blot analysis of lysates from HeLa cells, using Phospho-CREB1-S133 Rabbit pAb (A11064). HeLa cells were treated by Anisomycin (25 µg/mL) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



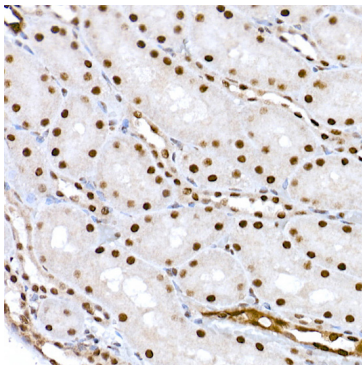
Immunofluorescence analysis of MCF-7 cells using Phospho-CREB1-S133 Rabbit pAb (AP0019). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using Phospho-CREB1-S133 Rabbit pAb (AP0019) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using Phospho-CREB1-S133 Rabbit pAb (AP0019) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using Phospho-CREB1-S133 Rabbit pAb (AP0019) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.