

Phospho CREB (Ser129) Antibody

Catalog # ABV11953

Specification

Phospho CREB (Ser129) Antibody - Product Information

Application IHC, IF Primary Accession P16220

Reactivity Human, Mouse, Rat

Host Rabbit Isotype Rabbit IgG Calculated MW 35136

Phospho CREB (Ser129) Antibody - Additional Information

Gene ID 1385

Positive Control

WB: RAW264.7 cell lysate; IHC: human
breast cancer tissue; IF: RAW264.7 cells

Application & Usage WB; 1:500 - 1:2000, IH; 1:100 - 1:200,

IF/IC; 1:100 - 1:500

Other Names

Cyclic AMP-responsive element-binding protein 1, CREB-1, cAMP-responsive element-binding protein $\bf 1$

Target/Specificity

CREB1

Antibody Form

Liquid

Appearance

Colorless liquid

Handling

The antibody solution should be gently mixed before use

Reconstitution & Storage

-20°C

Background Descriptions

Precautions

Phospho CREB (Ser129) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Phospho CREB (Ser129) 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).

Cellular Location

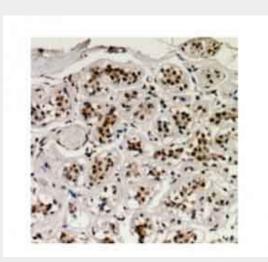
 $Nucleus \ \{ ECO: 0000255 | PROSITE-ProRule: PRU00312, ECO: 0000255 | PROSITE-ProRule: PRU00978, ECO: 0000269 | PubMed: 12552083 \}$

Phospho CREB (Ser129) Antibody - Protocols

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

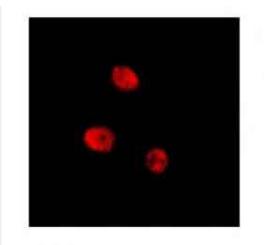
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Phospho CREB (Ser129) Antibody - Images



Immunohistochemical analysis of CREB (pS129) staining in human breast cancer formalin fixed paraffin embedded tissue section.





Immunofluorescent analysis of CRE8 (pS129) staining in RAW264.7 cells