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Phospho CREB (Ser129) Antibody

Catalog # ABV11953

Product Information

Application	WB, IHC
Primary Accession	P16220
Reactivity	Human, Mouse, Rat
Host	Rabbit
Isotype	Rabbit IgG
Calculated MW	35136

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 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.

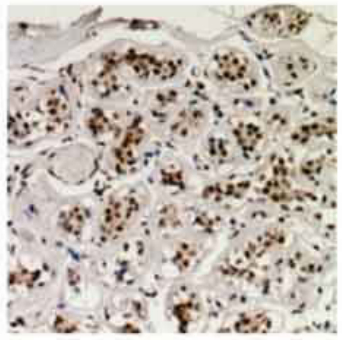
Protein Information

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

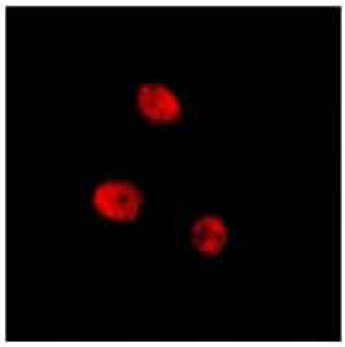
similarity).

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

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