

KO Validated Anti-CREB1 Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI2413

Product Information

Application	WB
Primary Accession	P16220
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1 kappa
Clone Names	25GB565
Calculated MW	35136
Gene Name	CREB1
Aliases	CREB1; CAMP Responsive Element Binding Protein 1; Cyclic AMP-Responsive Element-Binding Protein 1; CREB-1; Cyclic Adenosine 3',5'-Monophosphate Response Element-Binding Protein CREB; Cyclic Adenosine 3',5'-Monophosphate Response Element Binding Protein; CAMP-Responsive Element-Binding Protein 1; CAMP-Response Element-Binding Protein-1; Active Transcription Factor CREB; Transactivator Protein; CREB
Immunogen	Recombinant protein of human CREB

Additional Information

Gene ID	1385
Other Names	Cyclic AMP-responsive element-binding protein 1, CREB-1, cAMP-responsive element-binding protein 1, CREB1

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}

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