

CREB-1 Polyclonal Antibody

Catalog # AP69282

Product Information

Application WB, IHC-P, IF **Primary Accession** P16220

Reactivity Human, Mouse, Rat

HostRabbitClonalityPolyclonalCalculated MW35136

Additional Information

Gene ID 1385

Other Names CREB1; Cyclic AMP-responsive element-binding protein 1; CREB-1;

cAMP-responsive element-binding protein 1

Dilution WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other

applications. IHC-P~~N/A IF~~1:50~200

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

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).

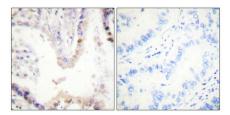
Cellular Location Nucleus {ECO:0000255 | PROSITE-ProRule:PRU00312,

ECO:0000255 | PROSITE-ProRule:PRU00978, ECO:0000269 | PubMed:12552083}

Background

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. Transcription activation is enhanced by the TORC coactivators which act independently of Ser-133 phosphorylation. Involved in different cellular processes including the synchronization of circadian rhythmicity and the differentiation of adipose cells.

Images



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.