

CREG1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP59191

Specification

CREG1 Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, E

Primary Accession
Reactivity
Rat
Host
Clonality
Calculated MW

O75629
Rat
Rabbit
Polyclonal
21 KDa

Physical State
Liquid
Immunogen
KLH conjugated synthetic peptide derived

from human CREG1

Epitope Specificity 41-140/220

Isotype IgG

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Secreted.

SIMILARITY Belongs to the CREG family.

SUBUNIT Homodimer. Interacts with IGF2R; the interaction is dependent on glycosylation.

Post-translational modifications N-glycosylated.

Important Note

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

affinity purified by Protein A

The adenovirus E1A protein both activates and represses gene expression to promote cellular proliferation and inhibit differentiation. CREG (cellular repressor of E1A-stimulated genes) is a cellular protein that antagonizes transcriptional activation and cellular transformation by E1A. CREG was initially isolated in a yeast two-hybrid screen due to its interaction with the TATA-binding protein, TBP. Binding sites for E2F, a key transcriptional reg-ulator of cell cycle progression, are required for repression of the adeno-virus E2 promoter by CREG, and CREG was shown to inhibit activation by E2F. CREG is broadly expressed in adult tissues and is regulated during embryonic development. CREG is a secreted glycoprotein which enhances differentiation of mouse embryonic stem cells and human NTERA-2 cells. CREG activity may contribute to the transcriptional control of cell growth and differentiation.

CREG1 Polyclonal Antibody - Additional Information

Gene ID 8804

Other Names

Protein CREG1, Cellular repressor of E1A-stimulated genes 1, CREG1, CREG



Dilution

IHC-P~~N/A<br \> <span class
="dilution_IHC-F">IHC-F~~N/A<br \> <span class
="dilution_IF">IF~~1:50~200<br \> E~~N/A

Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 $^{\circ}$ C.

CREG1 Polyclonal Antibody - Protein Information

Name CREG1

Synonyms CREG

Function

May contribute to the transcriptional control of cell growth and differentiation. Antagonizes transcriptional activation and cellular transformation by the adenovirus E1A protein. The transcriptional control activity of cell growth requires interaction with IGF2R.

Cellular Location Secreted.

CREG1 Polyclonal 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

CREG1 Polyclonal Antibody - Images