

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	075629
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CREG1
Epitope Specificity	41-140/220
Isotype	IgG
Purity	
affinity purified by Protein A	
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

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 regulator 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
IHC-F ~ ~ N/A
IF ~ ~ 1:50 ~ 200
E ~ ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °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 °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](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CREG1 Polyclonal Antibody - Images