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CREG2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59443

Specification

CREG2 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q8IUH2
Reactivity	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**29 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human CREG2**
Epitope Specificity	**21-120/290**
Isotype	**IgG**

Purity
affinity purified by Protein A

Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SIMILARITY	**Belongs to the CREG family.**
SUBUNIT	**Secreted.**
Post-translational modifications	**It is not sure whether N-glycosylation is on Asn-165 and/or Asn-166.**
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. A member of the CREG family, CREG2 (cellular repressor of E1A-stimulated genes 2) is a novel protein that shares 35% homology with CREG and is expressed at highest levels in brain. CREG2 is a secreted protein containing 290 amino acids whose N-terminus is thought to function as a signal sequence. The gene encoding CREG2 maps to human chromosome 2, which consists of 237 million bases, encodes over 1,400 genes and makes up approximately 8% of the human genome. A number of genetic diseases are linked to genes on chromosome 2 including Harlequin icthyosis, sitosterolemia and Alstr syndrome.

CREG2 Polyclonal Antibody - Additional Information

Gene ID 200407

Other Names
Protein CREG2, Cellular repressor of E1A-stimulated genes 2, CREG2

Target/Specificity
Brain specific mainly in the limbic system and faintly in the spinal cord but not in cerebellum.

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

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

Storage
Store at -20 ℃ 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 ℃.

CREG2 Polyclonal Antibody - Protein Information

Name CREG2

Cellular Location
Secreted.

Tissue Location
Brain specific mainly in the limbic system and faintly in the spinal cord but not in cerebellum

CREG2 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 Cytomety
- Cell Culture

CREG2 Polyclonal Antibody - Images

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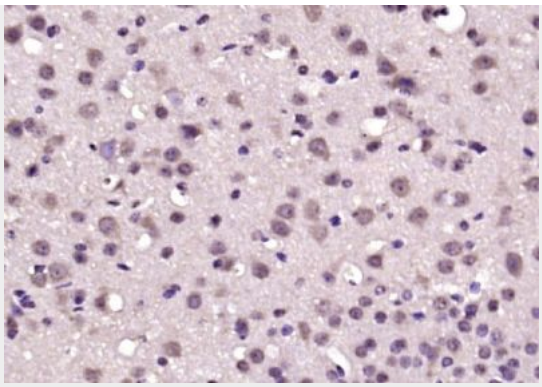
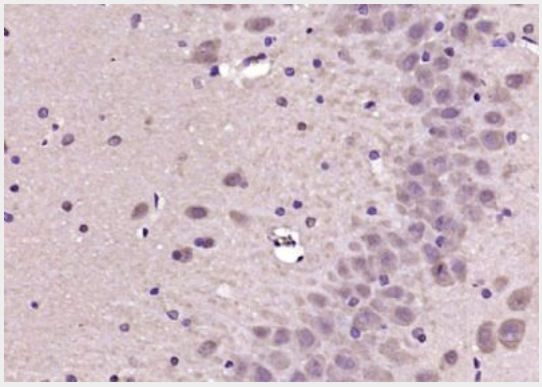


Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CREG2) Polyclonal Antibody, Unconjugated (bs-9957R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CREG2) Polyclonal Antibody, Unconjugated (bs-9957R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.