10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CREG2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59443

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8IUH2
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32109
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鰉 syndrome.

Additional Information

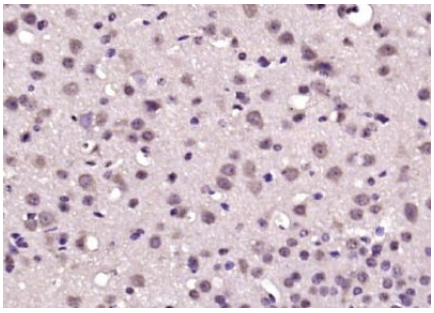
Gene ID	200407
Other Names	Protein CREG2, Cellular repressor of E1A-stimulated genes 2, CREG2
Target/Specificity	Brain specific mainly in the limbic system and faintly in the spinal cord but not in cerebellum.

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 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.

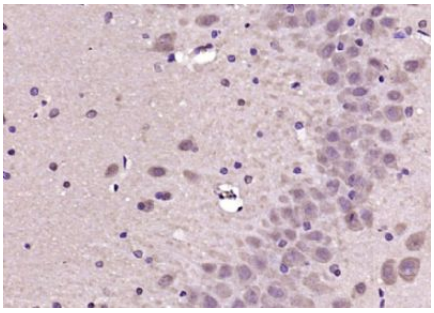
Protein Information

Name	CREG2
Cellular Location	Secreted.
Tissue Location	Brain specific mainly in the limbic system and faintly in the spinal cord but not in cerebellum

Images



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 (AP59443) 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 (AP59443) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.