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

CREM Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9122b

Product Information

Application	WB, FC, E
Primary Accession	Q03060
Other Accession	Q03061, P27699, Q1LZH5
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB17919
Calculated MW	37006
Antigen Region	287-314

Additional Information

Gene ID	1390
Other Names	cAMP-responsive element modulator, Inducible cAMP early repressor, ICER, CREM
Target/Specificity	This CREM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 287-314 amino acids from the C-terminal region of human CREM.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CREM Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CREM (HGNC:2352)
Function	Transcriptional regulator that binds the cAMP response element (CRE), a sequence present in many viral and cellular promoters. Isoforms are either

transcriptional activators or repressors. Plays a role in spermatogenesis and is involved in spermatid maturation (PubMed:10373550).

Cellular Location Nucleus.

Tissue Location Expressed in testes (round spermatids) (at protein level). Isoform 14 is the major activator form in testes

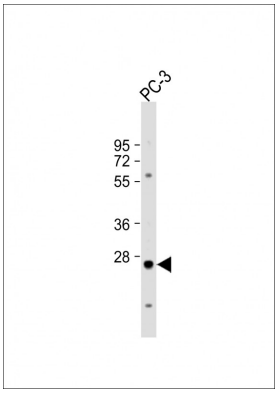
Background

CREM is a bZIP transcription factor that binds to the cAMP responsive element found in many viral and cellular promoters. It is an important component of cAMP-mediated signal transduction during the spermatogenetic cycle, as well as other complex processes.

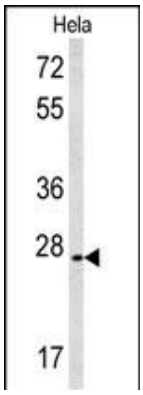
References

Fujimoto,T., et.al., J. Biochem. 115 (2), 298-303 (1994)

Images

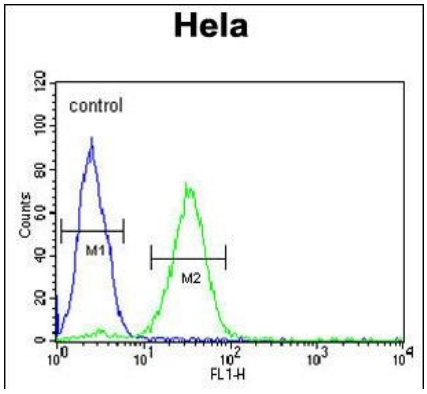


Anti-CREM Antibody (C-term) at 1:1000 dilution + PC-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot analysis of CREM Antibody (C-term) (Cat. #AP9122b) in Hela cell line lysates (35ug/lane). CREM (arrow) was detected using the purified Pab.

CREM Antibody (C-term) (Cat. #AP9122b) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



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