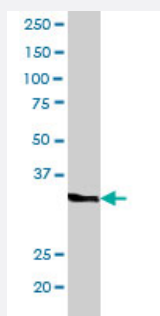


CREM polyclonal antibody

Catalog # PAB6696 Size 100 ug

Applications



Western Blot (Tissue lysate)

CREM polyclonal antibody (Cat # PAB6696) staining (1 ug/mL) of human heart lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of CREM.
Immunogen	A synthetic peptide corresponding to human CREM.
Sequence	LETBKDICSPKTDY
Host	Goat
Theoretical MW (kDa)	32.5, 12.2, 13.5, 12
Reactivity	Human
Specificity	This antibody is expected to recognize the following protein isoforms of human CREM protein: a (NP_853549.1), e (NP_874387.1), f (NP_874388.1), k (NP_874393.1), l (NP_874394.1), m (NP_877570.1), n (NP_877571.1), o (NP_877572.1), p (NP_877573.1), q (NP_878270.1), v (NP_898883.1). This antibody is not expected to cross-react with CREB protein.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL

Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:16000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

CREM polyclonal antibody (Cat # PAB6696) staining (1 ug/mL) of human heart lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CREM

Entrez GeneID	1390
Protein Accession#	NP_853549.1;NP_874387.1;NP_874388.1;NP_874393.1;NP_874394.1;NP_877570.1;NP_877571.1;NP_877572.1;NP_877573.1;NP_878270.1;NP_898883.1
Gene Name	CREM
Gene Alias	ICER, MGC111110, MGC17881, MGC41893, hCREM-2
Gene Description	cAMP responsive element modulator
Omim ID	123812
Gene Ontology	Hyperlink
Gene Summary	This gene encodes 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. Alternative promoter and translation initiation site usage allows this gene to exert spatial and temporal specificity to cAMP responsiveness. Multiple alternatively spliced transcript variants encoding several different isoforms have been found for this gene, with some of them functioning as activators and some as repressors of transcription. [provided by RefSeq]

Other Designations

OTTHUMP00000019442|OTTHUMP00000019443|OTTHUMP00000019444|OTTHUMP00000019446|OTTHUMP00000019448|cAMP response element modulator|hCREM 2alpha-b protein|hCREM 2beta-a protein|inducible cAMP early repressor ICER

Publication Reference

- [The cyclic adenosine 5'-monophosphate response element modulator suppresses IL-2 production in stimulated T cells by a chromatin-dependent mechanism.](#)

Tenbrock K, Juang YT, Tolnay M, Tsokos GC.

The Journal of Immunology 2003 Mar; 170(6):2971.

Application: WB-Ce, ChIP, Human, T cells

Disease

- [Agoraphobia](#)
- [Alzheimer disease](#)
- [Asthma](#)
- [Azoospermia](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Oligospermia](#)
- [Osteoporosis](#)
- [Panic Disorder](#)