

## **CREM Polyclonal Antibody**

Catalog No: YT1106

**Reactivity:** Human; Mouse; Rat

**Applications:** WB;IHC;IF;ELISA

Target: CREM

**Fields:** >>Adrenergic signaling in cardiomyocytes

Gene Name: CREM

**Protein Name:** cAMP-responsive element modulator

Q03060

P27699

Human Gene Id: 1390

**Human Swiss Prot** 

No:

Mouse Gene Id: 12916

**Mouse Swiss Prot** 

No:

Rat Gene ld: 25620

Rat Swiss Prot No: Q03061

**Immunogen:** The antiserum was produced against synthesized peptide derived from human

CREM. AA range:81-130

**Specificity:** CREM Polyclonal Antibody detects endogenous levels of CREM protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

1/3



**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 34kD

**Background:** cAMP responsive element modulator(CREM) Homo sapiens 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, Jul

2008],

**Function:** caution: The sequence shown here is derived from an Ensembl automatic

analysis pipeline and should be considered as preliminary

data.,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.,PTM:Stimulated by

phosphorylation.,sequence caution:Translated as Tyr.,similarity:Belongs to the bZIP family.,similarity:Contains 1 bZIP domain.,similarity:Contains 1 KID (kinase-inducible) domain.,subunit:Binds DNA as a dimer. Interacts with FHL5.,tissue specificity:Expressed in testes (round spermatids) (at protein level). Isoform 14 is

the major activator form in testes.,

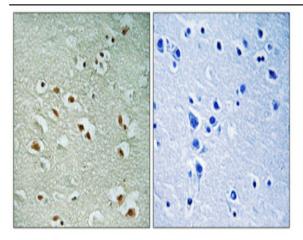
Subcellular Location:

Nucleus.; [Isoform 6]: Cytoplasm . Nucleus .

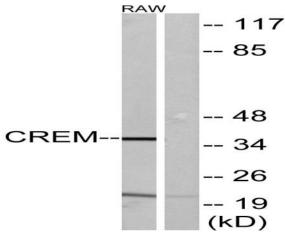
**Expression:** Expressed in testes (round spermatids) (at protein level). Isoform 14 is the major

activator form in testes.

## **Products Images**



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from RAW264.7 cells, using CREM Antibody. The lane on the right is blocked with the synthesized peptide.