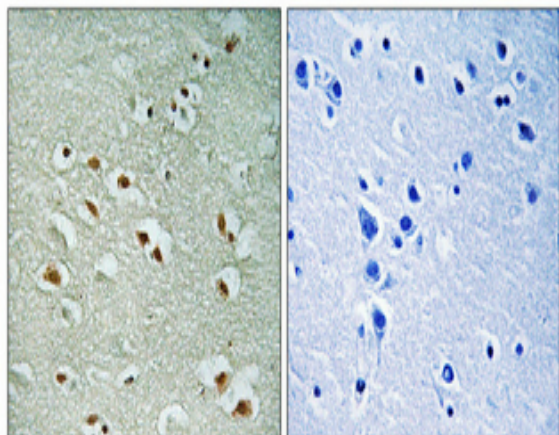


CREM Polyclonal Antibody

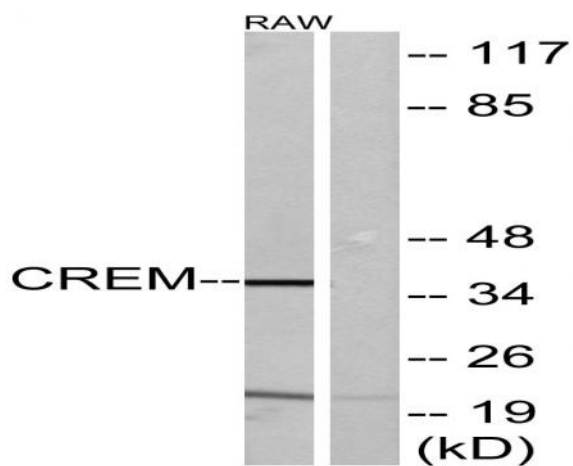
Catalog No :	YT1106
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	CREM
Fields :	>>Adrenergic signaling in cardiomyocytes
Gene Name :	CREM
Protein Name :	cAMP-responsive element modulator
Human Gene Id :	1390
Human Swiss Prot No :	Q03060
Mouse Gene Id :	12916
Mouse Swiss Prot No :	P27699
Rat Gene Id :	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

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 spermatogenic 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. Negative 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.