



Rabbit Anti-phospho-CREM (Ser271 +Ser 274) antibody

SL4066R

Product Name:	phospho-CREM (Ser271 +Ser 274)
Chinese Name:	磷酸化环磷酸腺苷反应元件调节蛋白抗体
Alias:	CREM (phospho S271 + S274); p-CREM (phospho S271 + S274); cAMP response element modulator; cAMP responsive element modulator; hCREM 2; hCREM2; ICER; Inducible cAMP early repressor; Inducible cAMP early repressor ICER; MGC111110; MGC17881; MGC41893.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	37kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human CREM around the phosphorylation site of Ser271 +Ser 274:AA(p-S)PG(p-S)LH
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed

CREM is a bZIP transcription factor that binds to the cAMP responsive element found in many viral and cellular promoters. It is derived from a multiexonic gene that encodes both activators and antagonists of cAMP-inducible transcription by differential splicing. Splice variants with antagonistic function lack 2 glutamine-rich domains and block cAMP-induced transcription, whereas an isoform that includes these glutamine-rich domains is a transcriptional activator.

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.

Subunit:

Binds DNA as a dimer. Interacts with FHL5. Interacts with CDC34.

Subcellular Location:

Nucleus.

Tissue Specificity:

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

Post-translational modifications:

Isoform 9 is ubiquitinated by CDC34 and RAD6B in order to be degraded by the proteasome.

Stimulated by phosphorylation.

Similarity:

Belongs to the bZIP family.

Contains 1 bZIP domain.

Contains 1 KID (kinase-inducible) domain.

SWISS:

Q03060

Gene ID:

1390

Database links:

[Entrez Gene: 403887](#) Dog

[Entrez Gene: 1390](#) Human

[Entrez Gene: 12916](#) Mouse

Product Detail:

[Entrez Gene: 25620](#) Rat
[Omin: 123812](#) Human
[SwissProt: P79145](#) Dog
[SwissProt: Q03060](#) Human
[SwissProt: P27699](#) Mouse
[SwissProt: Q03061](#) Rat
[Unigene: 200250](#) Human
[Unigene: 10251](#) Rat

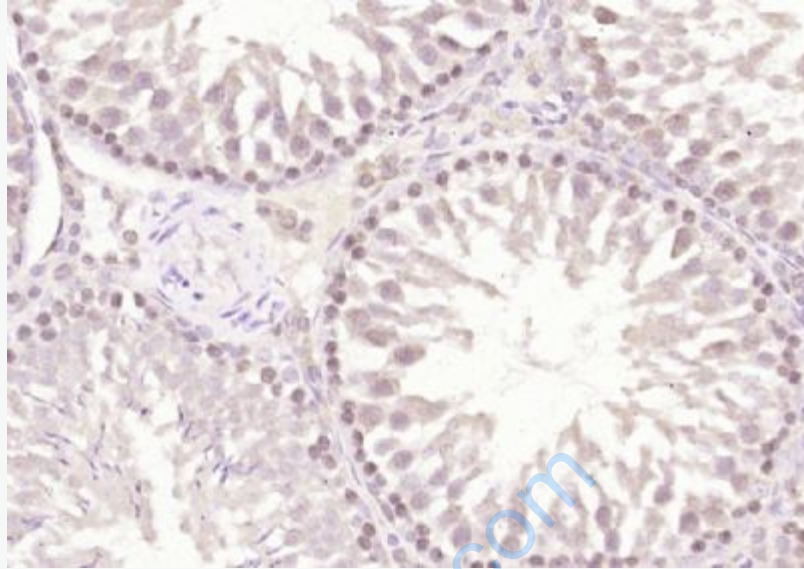
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Paraformaldehyde-fixed, paraffin embedded (mouse testis); 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 (phospho-CREM (Ser271 +Ser 274)) Polyclonal Antibody, Unconjugated (SL4066R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat testis); 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 (phospho-CREM (Ser271 +Ser 274)) Polyclonal Antibody, Unconjugated (SL4066R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.