

环磷酸腺苷反应元件调节蛋白抗体

产品货号： mlR5135

英文名称： CREM

中文名称： 环磷酸腺苷反应元件调节蛋白抗体

别名： cAMP response element modulator; CREM-1; cAMP responsive element modulator; hCREM 2; hCREM2; ICER; Inducible cAMP early repressor; Inducible cAMP early repressor ICER; MGC111110; MGC17881; MGC41893.

研究领域： 肿瘤 免疫学 转录调节因子 激酶和磷酸酶 结合蛋白

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Pig, Horse,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 Flow-Cyt=3ug/test IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量 : 37kDa

细胞定位 : 细胞核

性 状 : Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthetic peptide derived from human CREM:251-361/361

亚 型 : IgG

纯化方法 : affinity purified by Protein A

储 存 液 : 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件 : 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

产品介绍 background:

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 (By similarity).

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

Important Note:

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

CREM 是一种与 CREB 高度同源的蛋白，与 CREB 均一表达于几种细胞类型不同，其表达具有细胞特异性,CREM 同 CREB 一样能高效特异性结合到 CRE 元件上，但相反的是其下调 cAMP 诱导的转录.

产品图片

