

Product datasheet for **CF812055**

CREM Mouse Monoclonal Antibody [Clone ID: OTI7A2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI7A2
Applications:	WB
Recommended Dilution:	WB 1:500~2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CREM (NP_874388) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	13.3 kDa
Gene Name:	cAMP responsive element modulator
Database Link:	NP_874388 Entrez Gene 12916 Mouse Entrez Gene 25620 Rat Entrez Gene 1390 Human Q03060



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Background:

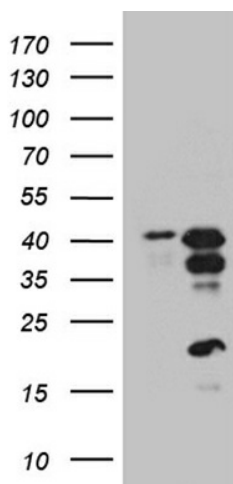
This gene encodes a bZIP transcription factor that binds to the cAMP responsive element found in many viral and cellular promoters. It is an important component of cAMP-mediated signal transduction during the spermatogenetic cycle, as well as other complex processes. Alternative promoter and translation 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]

Synonyms:

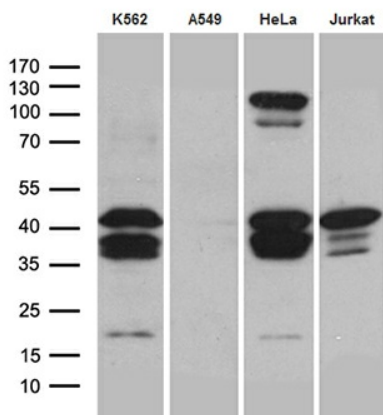
CREM-2; hCREM-2; ICER

Protein Families:

Druggable Genome, Transcription Factors

Product images:


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CREM (Cat# [RC217044], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CREM (Cat# [TA812055]). Positive lysates [LY403643] (100ug) and [LC403643] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 4 cell lines by using anti-CREM monoclonal antibody (1:500).