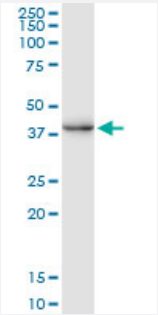
CREM monoclonal antibody (M02), clone 3B5

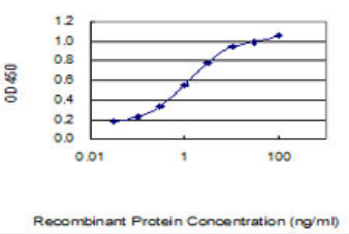
Catalog # H00001390-M02 Size 100 ug

Applications



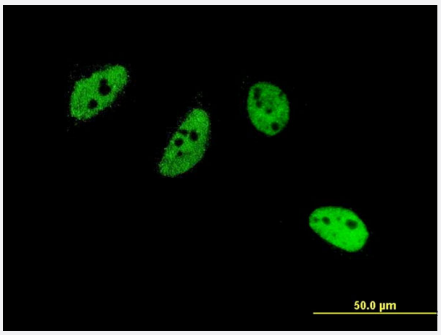
Western Blot (Tissue lysate)

CREM monoclonal antibody (M02), clone 3B5. Western Blot analysis of CREM expression in human liver.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CREM is 0.03 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to CREM on HeLa cell . [antibody concentration 10 ug/ml]

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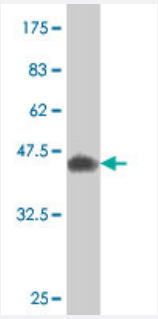

Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CREM.
Immunogen	CREM (NP_853549, 201 a.a. ~ 300 a.a) partial recombinant protein with GST tag. MW of the GST t ag alone is 26 KDa.
Sequence	ATGDMPTYQIRAPTAALPQGVVMAASPGSLHSPQQLAEEATRKRELRLMKNREAAKECRRRKKE YVKCLESRVAVLEVQNKKLIEELETLKDICSPKTDY
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

  CREM monoclonal antibody (M02), clone 3B5. Western Blot analysis of CREM expression in human liver.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

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- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged CREM is 0.03 ng/ml as a capture antibody.

  Protocol Download

- ELISA

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to CREM on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — CREM

Entrez GeneID	1390
GeneBank Accession#	NM_181571
Protein Accession#	NP_853549
Gene Name	CREM
Gene Alias	ICER, MGC111110, MGC17881, MGC41893, hCREM-2
Gene Description	cAMP responsive element modulator
Omim ID	123812
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	OTTHUMP00000019442|OTTHUMP00000019443|OTTHUMP00000019444|OTTHUMP00000019446|OTTHUMP00000019448|cAMP response element modulator|hCREM 2alpha-b protein|hCREM 2beta-a protein|inducible cAMP early repressor ICER

Publication Reference

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- Dual regulation of miR-375 and CREM genes in pancreatic beta cells.

  David M Keller, Isis G Perez.

  Islets 2022 Dec; 14(1):139.

  Application: CHIP, IP, WB, Human, Rat, HEK 293T, Beta, INS-1 cells

Disease

- Agoraphobia
- Alzheimer disease
- Asthma
- Azoospermia
- Cardiovascular Diseases
- Diabetes Complications
- Genetic Predisposition to Disease
- Metabolic Syndrome X
- Neoplasms
- Oligospermia
- Osteoporosis
- Panic Disorder

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