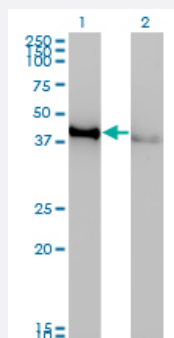


CREB1 monoclonal antibody (M01), clone 3F1-1B2

Catalog # H00001385-M01

Size 100 ug

Applications

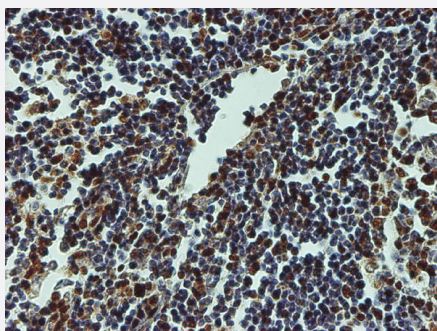


Western Blot (Transfected lysate)

Western Blot analysis of CREB1 expression in transfected 293T cell line by CREB1 monoclonal antibody (M01), clone 3F1-1B2.

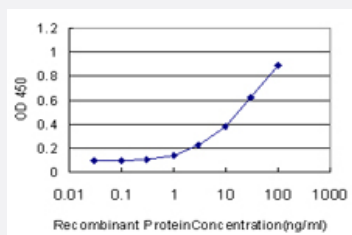
Lane 1: CREB1 transfected lysate (37 KDa).

Lane 2: Non-transfected lysate.



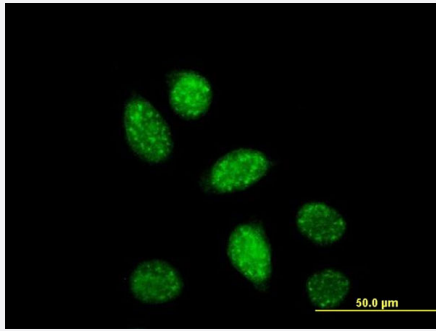
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to CREB1 on formalin-fixed paraffin-embedded human lymph node tissue. [antibody concentration 1 ~ 10 ug/ml]



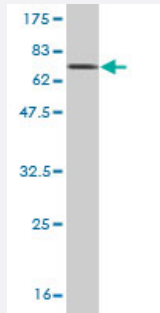
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CREB1 is approximately 1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to CREB1 on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (63.25 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant CREB1.
Immunogen	CREB1 (AAH10636, 1 a.a. ~ 341 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MTMESGAENQQSGDAAVTEAENQQMTVQAQPQIATLAQVSMPPAAHATSSAPTVTLVQLPNGQT VQVHGVIAAQPQSVIQSPQVQTVQSSCKDLKRLFSGTQISTAESEDSQESVDSVTDSQKRREILS RRPSYRKILNDLSSDAPGVPRIEEKSEEETSAPAITTVPTPIYQTSSGQYAITQGGAQLANNGT DGVQGLQTLTMTNAAATQPGTTILQYAQTDDGQQLVPSNHVVVQAASGDVQTYQIRTAPTSTIAPG VVMASSPALPTQPAEEAARKREVRLMKNREAARECRRKKKEYVKCLENRVAVLENQNKTLEEL KALKDLYCHKSD
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (63.25 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 (Transfected lysate)

Western Blot analysis of CREB1 expression in transfected 293T cell line by CREB1 monoclonal antibody (M01), clone 3F1-1B2.

Lane 1: CREB1 transfected lysate(37 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to CREB1 on formalin-fixed paraffin-embedded human lymph node tissue. [antibody concentration 1 ~ 10 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CREB1 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to CREB1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — CREB1

Entrez GeneID	1385
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GeneBank Accession#	BC010636
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Protein Accession#	AAH10636
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Gene Name	CREB1
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Gene Alias	CREB, MGC9284
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Gene Description	cAMP responsive element binding protein 1
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Omim ID [123810](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. This protein binds as a homodimer to the cAMP-responsive element, an octameric palindrome. The protein is phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway. Alternate splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations active transcription factor CREB|cAMP-response element-binding protein-1|transactivator protein

Publication Reference

- [Distinct pathways leading to TDP-43-induced cellular dysfunctions.](#)

Yamashita M, Nonaka T, Hirai S, Miwa A, Okado H, Arai T, Hosokawa M, Akiyama H, Hasegawa M.

Human Molecular Genetics 2014 Aug; 23(16):4345.

Application: IF, Human, SH-SY5Y cells

Pathway

- [Antigen processing and presentation](#)
- [Melanogenesis](#)
- [Prostate cancer](#)

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Arousal](#)
- [Asthma](#)
- [Avoidance Learning](#)
- [Bipolar Disorder](#)

- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Choice Behavior](#)
- [Cognition](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
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- [Edema](#)
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