10320 Camino Santa Fe, Suite G
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CREB1 / CREB Antibody (clone 3F1-1B2)

Mouse Monoclonal Antibody
Catalog # ALS14327

Specification

CREB1 / CREB Antibody (clone 3F1-1B2) - Product Information

Application	**WB, IF, IHC**
Primary Accession	P16220
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**37kDa KDa**

CREB1 / CREB Antibody (clone 3F1-1B2) - Additional Information

Gene ID 1385

Other Names
Cyclic AMP-responsive element-binding protein 1, CREB-1, cAMP-responsive element-binding protein 1, CREB1

Target/Specificity
Human CREB1

Reconstitution & Storage
Aliquot and store at -20°C or -80°C. Avoid freeze-thaw cycles.

Precautions
CREB1 / CREB Antibody (clone 3F1-1B2) is for research use only and not for use in diagnostic or therapeutic procedures.

CREB1 / CREB Antibody (clone 3F1-1B2) - Protein Information

Name CREB1

Function
Phosphorylation-dependent transcription factor that stimulates transcription upon binding to the DNA cAMP response element (CRE), a sequence present in many viral and cellular promoters (By similarity). Transcription activation is enhanced by the TORC coactivators which act independently of Ser-119 phosphorylation (PubMed:14536081). Involved in different cellular processes including the synchronization of circadian rhythmicity and the differentiation of adipose cells (By similarity). Regulates the expression of apoptotic and inflammatory response factors in cardiomyocytes in response to ERFE-mediated activation of AKT signaling (By similarity).

Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00312, ECO:0000255|PROSITE-ProRule:PRU00978, ECO:0000269|PubMed:12552083}

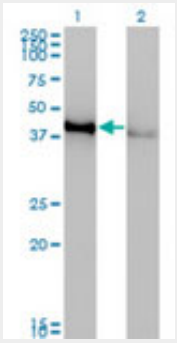
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CREB1 / CREB Antibody (clone 3F1-1B2) - Protocols

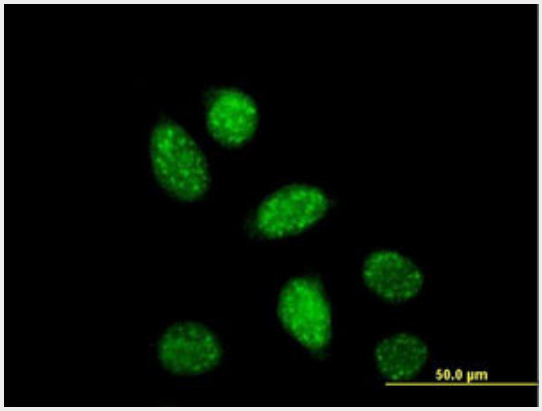
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CREB1 / CREB Antibody (clone 3F1-1B2) - Images

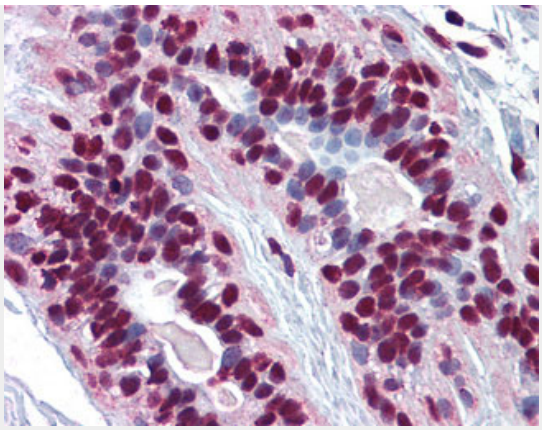


Western blot of CREB1 expression in transfected 293T cell line.

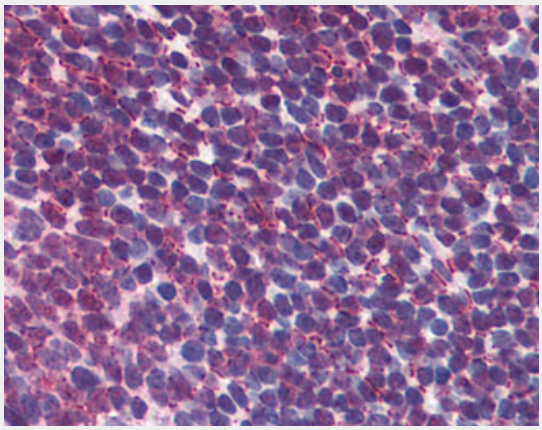


Immunofluorescence of monoclonal antibody to CREB1 on HeLa cell. [antibody concentration 10 ug/ml].

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Anti-CREB1 / CREB antibody IHC of human breast.



Anti-CREB1 / CREB antibody IHC of human tonsil.

CREB1 / CREB Antibody (clone 3F1-1B2) - Background

Phosphorylation-dependent transcription factor that stimulates transcription upon binding to the DNA cAMP response element (CRE), a sequence present in many viral and cellular promoters. Transcription activation is enhanced by the TORC coactivators which act independently of Ser-133 phosphorylation. Involved in different cellular processes including the synchronization of circadian rhythmicity and the differentiation of adipose cells.

CREB1 / CREB Antibody (clone 3F1-1B2) - References

Berkowitz L.A.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:5258-5262(1990).
Yoshimura T.,et al.EMBO J. 9:2537-2542(1990).
Waeber G.,et al.Trans. Assoc. Am. Physicians 103:28-37(1990).
Hoeffler J.P.,et al.Science 242:1430-1433(1988).
Short M.L.,et al.Nucleic Acids Res. 19:4290-4290(1991).