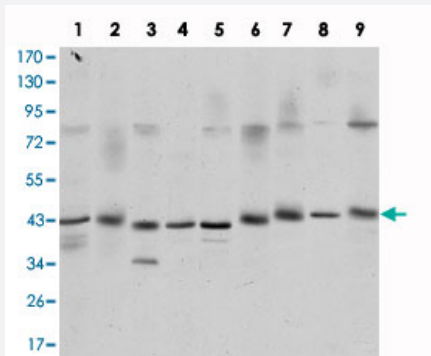


CREB1 monoclonal antibody, clone 5G3

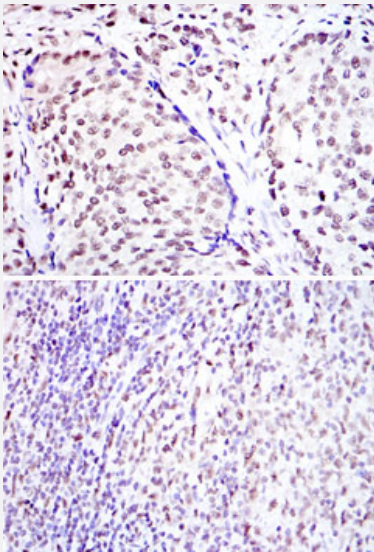
Catalog # MAB10612 Size 100 uL

Applications



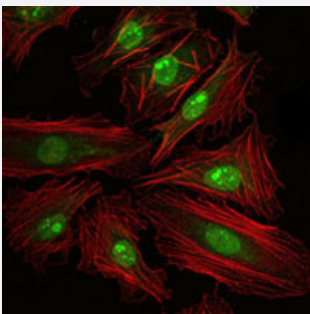
Western Blot (Cell lysate)

Western blot analysis using CREB1 monoclonal antibody, clone 5G3 (Cat # MAB10612) against K-562 (1) , Jurkat (2) , L1210 (3) , HEK293 (4) , A-431 (5) , HeLa (6) , COS-7 (7) , PC-12 (8) , and NIH/3T3 (9) cell lysate.



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

Immunohistochemical analysis of paraffin-embedded human prostate cancer tissues (upper) and submaxillary tumor tissues (bottom) using CREB1 monoclonal antibody, clone 5G3 (Cat # MAB10612) with DAB staining.

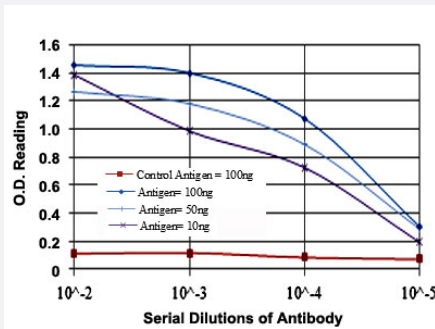


Immunofluorescence

Immunofluorescence analysis of HeLa cells using CREB1 monoclonal antibody, clone 5G3 (Cat # MAB10612) (green) . Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Enzyme-linked Immunoabsorbent Assay

ELISA measurement of CREB1 monoclonal antibody, clone 5G3 (Cat # MAB10612) .



Specification

Product Description Mouse monoclonal antibody raised against partial recombinant CREB1.

Immunogen Recombinant protein corresponding to human CREB1.

Host Mouse

Theoretical MW (kDa) 43

Reactivity Human, Monkey, Mouse, Rat

Form Liquid

Isotype IgG1

Recommend Usage
 ELISA (1:10000)
 Western Blot (1:500-1:2000)
 Immunohistochemistry (1:200-1:1000)
 Immunofluorescence (1:200-1:1000)
 The optimal working dilution should be determined by the end user.

Storage Buffer In ascites (0.03% sodium azide)

Storage Instruction
 Store at 4°C. For long term storage store at -20°C.
 Aliquot to avoid repeated freezing and thawing.

Note This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

ELISA measurement of CREB1 monoclonal antibody, clone 5G3 (Cat # MAB10612) .

Gene Info — CREB1

Entrez GeneID [1385](#)

Gene Name CREB1

Gene Alias CREB, MGC9284

Gene Description cAMP responsive element binding protein 1

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

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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- [Mood Disorders](#)
- [Neoplasms](#)

- [Osteoporosis](#)
- [Pattern Recognition](#)
- [Personality Inventory](#)
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- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sleep Disorders](#)
- [Weight Gain](#)