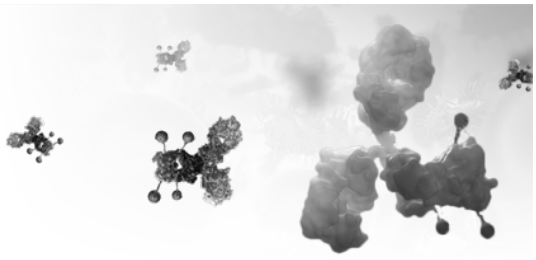

Anti-CREB1 monoclonal antibody, clone MC0 (DCABH-6460)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to CREB
Antigen Description	This protein binds the cAMP response element (CRE), a sequence present in many viral and cellular promoters. CREB stimulates transcription on binding to the CRE. Transcription activation is enhanced by the TORC coactivators which act independently of Ser-133 phosphorylation. Implicated in synchronization of circadian rhythmicity.
Immunogen	Recombinant full length protein corresponding to Human CREB aa 1-341.Sequence: MTMESGAENQ QSGDAAVTEA ENQQMTVQAQ PQIATLAQVS MPAAHATSSA PTVTLVQLPN GQTVQVHGVI QAAQPSVIQS PQVQTVQSSC KDLKRLFSGT QISTIAESED SQESVDSVTD SQKRREILSR RPSYRKILND LSSDAPGVPR IEEEKSEEET
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Mouse, Rat, Human, African green monkey
Clone	MC0
Conjugate	Unconjugated
Applications	ICC/IF, WB, IP, IHC-P, ELISA
Positive Control	HeLa cells; Human bladder and rectal cancer tissues; Human tonsil tissue; Human HeLa, 293T, HepG2, A431, A549, K562, MCF7 and U2Os whole cell lysates; Mouse MEF, 3T3L1 and C2C12 whole cell lyastes; Rat NRK whole cell lysate; Monkey COS7 whole cell lysate.
Format	Liquid
Size	100 µg

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Storage	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	CREB1 cAMP responsive element binding protein 1 [Homo sapiens]
Official Symbol	CREB1
Synonyms	CREB1; cAMP responsive element binding protein 1; cyclic AMP-responsive element-binding protein 1; CREB-1; transactivator protein; active transcription factor CREB; cAMP-response element-binding protein-1; cAMP-responsive element-binding protein 1; CREB;
Entrez Gene ID	1385
Protein Refseq	NP_004370
UniProt ID	P16220
Chromosome Location	2q34
Pathway	AKT phosphorylates targets in the nucleus, organism-specific biosystem; ATF-2 transcription factor network, organism-specific biosystem; Activated TLR4 signalling, organism-specific biosystem; Activation of NMDA receptor upon glutamate binding and postsynaptic events, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Adipogenesis, organism-specific biosystem; Amphetamine addiction, organism-specific biosystem;
Function	RNA polymerase II activating transcription factor binding; RNA polymerase II distal enhancer sequence-specific DNA binding; RNA polymerase II transcription factor binding transcription factor activity involved in positive regulation of transcription; cAMP

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