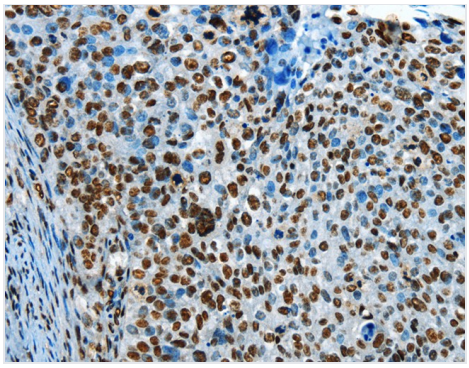
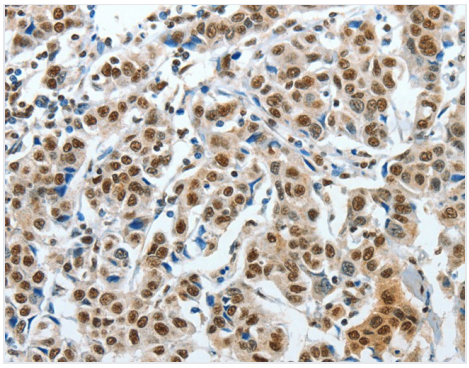
CREB1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CREB1, Polyclonal Antibody
Full Product Name	CREB1 Polyclonal Antibody
Product Gene Name	anti-CREB1 antibody
Product Synonym Names	CREB
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Antigen affinity purification
Concentration	1.1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.
Molecular Weight	35,136 Da
3D Structure	ModBase 3D Structure for Q53X93
Immunogen	Recombinant protein of human CREB1
Buffer	PBS with 0.05% sodium azide, 50% glycerol, pH7.3
Product Categories/Family for anti-CREB1 antibody	Cancer; Epigenetics; Neuroscience
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CREB1 antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-CREB1 antibody	IHC: 1:25-1:100
Related Product Information for anti-CREB1 antibody	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.
Other Notes	Small volumes of anti-CREB1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CREB1 purchase	MBS2528655 is an antibody targeting CREB1. Also known as CREB1 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Immunohistochemistry (IHC) of anti-CREB1 antibody
Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using CREB1 Polyclonal Antibody at dilution 1:30



Immunohistochemistry (IHC) of anti-CREB1 antibody
Immunohistochemistry of paraffin-embedded Human breast cancer tissue using CREB1 Polyclonal Antibody at dilution 1:30

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CREB1. It may not necessarily be applicable to this product.

NCBI GI #	47115171
NCBI GeneID	1385
NCBI Accession #	CAG28545.1
UniProt Primary Accession #	Q53X93
UniProt Related Accession #	P16220
NCBI Official Full Name	CREB1, partial
NCBI Official Synonym Full Names	cAMP responsive element binding protein 1
NCBI Official Symbol	CREB1
NCBI Official Synonym Symbols	CREB
UniProt Protein Name	CREB1 protein
UniProt Synonym Protein Names	CREB1 protein
Protein Family	Cyclic AMP-responsive element-binding protein
UniProt Gene Name	CREB1
UniProt Entry Name	Q53X93_HUMAN
NCBI Protein Information	cyclic AMP-responsive element-binding protein 1; CREB-1; active transcription factor CREB; cAMP-response element-binding protein-1; cAMP-responsive element-binding protein 1; transactivator protein

UniProt Comments for CREB1	CREB: a transcription factor of the leucine zipper family of DNA binding proteins. Binds as a homodimer to the cAMP-responsive element (CRE). Phosphorylated by several protein kinases, and induces transcription of genes in response to hormonal stimulation of the cAMP pathway. Two splice-variant isoforms have been described. Protein type: Transcription factor; DNA-binding Chromosomal Location of Human Ortholog: 2q34 Cellular Component: nucleoplasm; nucleus Molecular Function: RNA polymerase II transcription factor activity, enhancer binding; protein binding; enzyme binding; transcription cofactor activity; transcription factor activity Biological Process: circadian rhythm; transcription from RNA polymerase II promoter; lactation; axon guidance; response to glucagon stimulus; viral reproduction; nerve growth factor receptor signaling pathway; positive regulation of osteoclast differentiation; positive regulation of transcription, DNA-dependent; stress-activated MAPK cascade; toll-like receptor 3 signaling pathway; positive regulation of multicellular organism growth; signal transduction; protein amino acid phosphorylation; toll-like receptor 10 signaling pathway; toll-like receptor 5 signaling pathway; response to organic substance; synaptic transmission; toll-like receptor 4 signaling pathway; response to drug; epidermal growth factor receptor signaling pathway; mitochondrion organization and biogenesis; Notch signaling pathway; phosphoinositide-mediated signaling; fibroblast growth factor receptor signaling pathway; protein stabilization; secretory granule organization and biogenesis; organelle organization and biogenesis; MyD88-independent toll-like receptor signaling pathway; positive regulation of hormone secretion; positive regulation of lipid biosynthetic process; memory; toll-like receptor 2 signaling pathway; MyD88-dependent toll-like receptor signaling pathway; pituitary gland development; phospholipase C activation; toll-like receptor signaling pathway; innate immune response; positive regulation of fat cell differentiation; positive regulation of transcription from RNA polymerase II promoter; toll-like receptor 9 signaling pathway; regulation of cell size Disease: Histiocytoma, Angiomatoid Fibrous
Research Articles on CREB1	**1.** Activation of CREB overexpressing neurons impaired consolidation of cocaine memory.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-rat-antibody/creb1/2528655