CREBBP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CREBBP, Polyclonal Antibody
Full Product Name	CREBBP Antibody, Biotin conjugated
Product Gene Name	anti-CREBBP antibody
Product Synonym Names	CREB-binding protein; CREBBP; CBP
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: CREBBP (MBS7104641) Biotin Conjugated Antibody: CREBBP (MBS7104644)
Molecular Weight	260,993 Da
OMIM	U85962 mRNA
3D Structure	ModBase 3D Structure for Q92793
Immunogen	Recombinant Human CREB-binding protein (2217-2442AA)
Conjugation	Biotin
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-CREBBP antibody	Epigenetics and Nuclear Signaling; Cancer; Metabolism; Microbiology; Stem cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CREBBP antibody	ELISA (EIA)
Related Product Information for anti-CREBBP antibody	Acetylates histones, giving a specific tag for transcriptional activation. Also acetylates non-histone proteins, like NCOA3 and FOXO1. Binds specifically to phosphorylated CREB and enhances its transcriptional activity toward cAMP-responsive genes. Acts as a coactivator of ALX1. Acts as a circadian transcriptional coactivator which enhances the activity of the circadian transcriptional activators: NPAS2-ARNTL/BMAL1 and CLOCK-ARNTL/BMAL1 heterodimers. Acetylates PCNA; acetylation promotes removal of chromatin-bound PCNA and its degradation during nucleotide excision repair (NER) (PubMed:24939902).
Other Notes	Small volumes of anti-CREBBP 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 CREBBP purchase	MBS7104644 is an antibody targeting CREBBP. Also known as CREBBP Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	119943102
NCBI GeneID	1387
NCBI Accession #	NP_001073315.1
UniProt Primary Accession #	Q92793
UniProt Secondary Accession #	O00147; Q16376; Q4LE28; D3DUC9
UniProt Related Accession #	Q92793
GenBank Nucleotide #	NM_001079846.1
NCBI Official Full Name	CREB-binding protein isoform b
NCBI Official Synonym Full Names	CREB binding protein
NCBI Official Symbol	CREBBP
NCBI Official Synonym Symbols	CBP; RSTS; KAT3A; RSTS1
UniProt Protein Name	CREB-binding protein
Protein Family	CREB-binding protein
UniProt Gene Name	CREBBP
UniProt Synonym Gene Names	CBP
NCBI Protein Information	CREB-binding protein
NCBI Summary for CREBBP	This gene is ubiquitously expressed and is involved in the transcriptional coactivation of many different transcription factors. First isolated as a nuclear protein that binds to cAMP-response element binding protein (CREB), this gene is now known to play critical roles in embryonic development, growth control, and homeostasis by coupling chromatin remodeling to transcription factor recognition. The protein encoded by this gene has intrinsic histone acetyltransferase activity and also acts as a scaffold to stabilize additional protein interactions with the transcription complex. This protein acetylates both histone and non-histone proteins. This protein shares regions of very high sequence similarity with protein p300 in its bromodomain, cysteine-histidine-rich regions, and histone acetyltransferase domain. Mutations in this gene cause Rubinstein-Taybi syndrome (RTS). Chromosomal translocations involving this gene have been associated with acute myeloid leukemia. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Feb 2009]
Research Articles on CREBBP	**1.** Ectopic expression of EP300-ZNF384 and CREBBP-ZNF384 fusion altered differentiation of mouse hematopoietic stem and progenitor cells and also potentiated oncogenic transformation in vitro.our results indicate that gene fusion is a common class of genomic abnormalities in childhood ALL and that recurrent translocations involving EP300 and CREBBP may cause epigenetic deregulation with potential for therapeutic targeting.
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