CREBZF Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CREBZF, Polyclonal Antibody
Full Product Name	CREBZF Conjugated Antibody
Product Gene Name	anti-CREBZF antibody
Product Synonym Names	ZF; SMILE
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total CREBZF protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	37,134 Da
OMIM	606444
3D Structure	ModBase 3D Structure for Q9NS37
Immunogen	Synthetic peptide of human CREBZF
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-CREBZF antibody	Most Applications
Application Notes for anti-CREBZF antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-CREBZF antibody	Host cell factor (HCF) is a cellular cofactor required for the activation of VP16 which expresses the herpes simplex virus immediate early gene. V16 binds to HCF through a 4-amino acid motif similar to the HCF binding domain of the basic leucine-zipper proteins Luman and Zhangfei (ZF). Luman activates promoters containing cAMP or unfolded protein response elements (UPRE). Zhangfei suppresses the transcriptional activity of Luman, but requires HCF binding which may target Luman and Zhangfei to a common location. Sequence analysis predicts that the deduced 272-amino acid Zhangfei protein has a negatively charged N terminus, a leucine zipper of 6 heptad leucine repeats separated by a conserved 6-amino acid spacer, a basic domain, and a bZIP region. It is also presumed that the N-terminal acidic region of Zhangfei is an activation domain.
Other Notes	Small volumes of anti-CREBZF 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 CREBZF purchase	MBS9455329 is an antibody targeting CREBZF. Also known as CREBZF Conjugated Antibody. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	88900495
NCBI GeneID	58487
NCBI Accession #	NP_001034707
UniProt Primary Accession #	Q9NS37
UniProt Secondary Accession #	Q0P5U9; Q52LT3; B2R8Q9
UniProt Related Accession #	Q9NS37
GenBank Nucleotide #	NM_001039618.2
NCBI Official Full Name	CREB/ATF bZIP transcription factor
NCBI Official Synonym Full Names	CREB/ATF bZIP transcription factor
NCBI Official Symbol	CREBZF
NCBI Official Synonym Symbols	ZF; SMILE
UniProt Protein Name	CREB/ATF bZIP transcription factor
UniProt Synonym Protein Names	Host cell factor-binding transcription factor Zhangfei
Protein Family	CREB/ATF bZIP transcription factor
UniProt Gene Name	CREBZF
UniProt Synonym Gene Names	ZF; HCF-binding transcription factor Zhangfei
UniProt Entry Name	ZHANG_HUMAN
NCBI Protein Information	CREB/ATF bZIP transcription factor; Zhangfei; SHP-interacting leucine zipper protein; HCF-binding transcription factor Zhangfei; host cell factor-binding transcription factor Zhangfei
UniProt Comments for CREBZF	CREBZF: Strongly activates transcription when bound to HCFC1. Suppresses the expression of HSV proteins in cells infected with the virus in a HCFC1-dependent manner. Also suppresses the HCFC1- dependent transcriptional activation by CREB3 and reduces the amount of CREB3 in the cell. Able to down-regulate expression of some cellular genes in CREBZF-expressing cells. Belongs to the bZIP family. ATF subfamily. Protein type: Nuclear receptor co-regulator; Transcription factor Chromosomal Location of Human Ortholog: 11q14 Cellular Component: nucleus Molecular Function: identical protein binding; protein binding; DNA binding; sequence-specific DNA binding; transcription factor activity Biological Process: transcription, DNA-dependent; regulation of transcription factor activity; negative regulation of gene expression, epigenetic; response to virus; negative regulation of transcription, DNA-dependent
Research Articles on CREBZF	**1.** Zhangfei/CREBZF stabilizes p53 and co-localizes with it in cellular nuclei; the bLZip domain of Zhangfei is required for its profound effects on cell growth and interaction with p53.

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