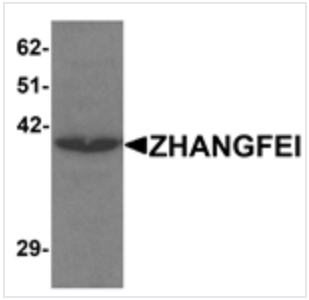
ZHANGFEI Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ZHANGFEI, Polyclonal Antibody
Full Product Name	ZHANGFEI Antibody
Product Gene Name	anti-ZHANGFEI antibody
Product Synonym Names	ZF, CREB, ATF bZIP transcription factor, HCF-binding transcription factor Zhangfei, SMILE
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Purity/Purification	Affinity chromatography purified via peptide column
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Molecular Weight	37,134 Da
OMIM	606444
Immunogen Type	Peptide
Immunogen Description	Raised against a 18 amino acid peptide near the amino terminus of human ZHANGFEI.
Target Name	ZHANGFEI
Product Categories/Family for anti-ZHANGFEI antibody	Total protein Ab
Applications Tested/Suitable for anti-ZHANGFEI antibody	ELISA (EIA), Western Blot (WB)
Related Product Information for anti-ZHANGFEI antibody	ZHANGFEI, also known as ZF, is a basic region-leucine zipper transcriptional factor that has been implicated in herpes virus infection cycle and related cellular processes. ZHANGFEI protein has a negatively charged active N-terminus, a leucine zipper of six heptad leucine repeats separated by a conserved six amino acid spacer, a basic domain and a bZIP region. ZHANGFEI strongly activates transcription and suppresses the expression of HSV proteins in cells infected with the virus in a HCFC1 dependent manner. It also suppresses the HCFC1 dependent transcriptional activation by CREB3 and reduces the amount of CREB3 in the cell.
Other Notes	Small volumes of anti-ZHANGFEI 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 ZHANGFEI purchase	MBS9407500 is an antibody targeting ZHANGFEI. Also known as ZHANGFEI Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-ZHANGFEI antibody
Western blot analysis of ZHANGFEI in K562 cell lysate with ZHANGFEI antibody at 1 ug/mL.

ADDITIONAL DETAILS

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

NCBI GI #	88900495
NCBI GeneID	58487
NCBI Accession #	NP_001034707
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; HCF-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
UniProt Comments for ZHANGFEI	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 ZHANGFEI	**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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