BRF1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BRF1, Polyclonal Antibody
Full Product Name	BRF1, ID (BRF1, BRF, GTF3B, TAF3B2, TAF3C, Transcription factor IIIB 90kD subunit, B-related factor 1, TATA box-binding protein-associated factor, RNA polymerase III, subunit 2) (MaxLight 650)
Product Gene Name	anti-BRF1 antibody
Product Synonym Names	BRF1; BRF; GTF3B; TAF3B2; TAF3C; Transcription factor IIIB 90kD subunit; B-related factor 1; TATA box-binding protein-associated factor; RNA polymerase III; subunit 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	604902
3D Structure	ModBase 3D Structure for Q92994
Immunogen	BRF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 313-342 amino acids from the Central region of human BRF1.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-BRF1 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-BRF1 antibody	Western Blot (WB), FLISA
Application Notes for anti-BRF1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-BRF1 antibody	This gene encodes one of the three subunits of the RNA polymerase III transcription factor complex. This complex plays a central role in transcription initiation by RNA polymerase III on genes encoding tRNA, 5S rRNA, and other small structural RNAs. The gene product belongs to the TF2B family. Two alternatively spliced variants encoding different isoforms, that function at different promoters transcribed by RNA polymerase III, have been identified. Other transcript variants are possible, but their full-length natures have not been completely characterized. [provided by RefSeq].
Product References and Citations for anti-BRF1 antibody	Haurie, V., et al. Proc. Natl. Acad. Sci. U.S.A. 107(9):4176-4181(2010). Maitra, S., et al. RNA 14(5):950-959(2008). Leal, J.F., et al. Oncogene 27(14):1961-1970(2008). Yoo, N.K., et al. Cell. Microbiol. 10(3):583-592(2008). Cabarcas, S., et al. BMC Mol. Biol. 9, 74 (2008).

Other Notes	Small volumes of anti-BRF1 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 BRF1 purchase	MBS6278887 is an antibody targeting BRF1. Also known as BRF1, ID (BRF1, BRF, GTF3B, TAF3B2, TAF3C, Transcription factor IIIB 90kD subunit, B-related factor 1, TATA box-binding protein-associated factor, RNA polymerase III, subunit 2) (MaxLight 650). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BRF1. It may not necessarily be applicable to this product.

NCBI GI #	22035558
NCBI GeneID	2972
NCBI Accession #	NP_663718.1
NCBI Related Accession #	NP_001510.2
UniProt Primary Accession #	Q92994
UniProt Related Accession #	Q92994
GenBank Nucleotide #	NP_663718.1
NCBI Official Full Name	transcription factor IIIB 90 kDa subunit isoform 3
NCBI Official Synonym Full Names	BRF1 RNA polymerase III transcription initiation factor subunit
NCBI Official Symbol	BRF1
NCBI Official Synonym Symbols	BRF; CFDS; hBRF; BRF-1; GTF3B; TAF3C; TAF3B2; TF3B90; TAFIII90; TFIIIB90; HEL-S-76p
UniProt Protein Name	Transcription factor IIIB 90 kDa subunit
UniProt Synonym Protein Names	B-related factor 1; BRF-1; hBRF; TAF3B2; TATA box-binding protein-associated factor, RNA polymerase III, subunit 2
Protein Family	Transcription factor
UniProt Gene Name	BRF1
UniProt Synonym Gene Names	BRF; GTF3B; TAF3B2; TAF3C; TFIIIB90; hTFIIIB90; BRF-1; hBRF
UniProt Entry Name	TF3B_HUMAN
NCBI Protein Information	transcription factor IIIB 90 kDa subunit
NCBI Summary for BRF1	This gene encodes one of the three subunits of the RNA polymerase III transcription factor complex. This complex plays a central role in transcription initiation by RNA polymerase III on genes encoding tRNA, 5S rRNA, and other small structural RNAs. The gene product belongs to the TF2B family. Several alternatively spliced variants encoding different isoforms, that function at different promoters transcribed by RNA polymerase III, have been identified. [provided by RefSeq, Jun 2011]

UniProt Comments for BRF1	GTF3B: General activator of RNA polymerase which utilizes different TFIIIB complexes at structurally distinct promoters. The isoform 1 is involved in the transcription of tRNA, adenovirus VA1, 7SL and 5S RNA. Isoform 2 is required for transcription of the U6 promoter. Belongs to the TFIIB family. 7 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription initiation complex Chromosomal Location of Human Ortholog: 14q Cellular Component: nucleoplasm; transcription factor TFIIIB complex Molecular Function: zinc ion binding; TATA-binding protein binding Biological Process: transcription from RNA polymerase III promoter; transcription initiation from RNA polymerase III promoter; tRNA transcription; regulation of transcription, DNA-dependent; gene expression; regulation of mRNA stability; rRNA transcription Disease: Cerebellofaciodental Syndrome
Research Articles on BRF1	**1.** Recent studies have demonstrated that Brf1 is overexpressed in most ER+ (estrogen receptor positive) cases of breast cancer and the change in cellular levels of Brf1 reflects the therapeutic efficacy and prognosis of this disease. It suggests that Brf1 may be a potential diagnosis biomarker and a therapeutic target of alcohol-associated breast cancer.
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