GTF3A Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	GTF3A, Monoclonal Antibody
Full Product Name	GTF3A (Transcription Factor IIIA, General Transcription Factor IIIA, AP2, TFIIIA) (AP)
Product Gene Name	anti-GTF3A antibody
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	4B4
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified
Specificity	Recognizes human GTF3A.
Preparation and Storage	Store product at 4 degree C. 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. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	600860
3D Structure	ModBase 3D Structure for Q92664
Immunogen	Recombinant protein corresponding to aa185-274 from human GTF3A with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	NQQKQYICSFEDCKKTFKKHQQLKIHQCQNTNEPLFK CTQEGCGKHFASPSKLKRHAKAHEGYVCQKGCSFVA KTWTELLKHVRETHKEE
Conjugate	AP
Product Categories/Family for anti-GTF3A antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-GTF3A antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-GTF3A antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-GTF3A antibody	The product of this gene is a zinc finger protein with nine Cis[2]-His[2] zinc finger domains. It functions as an RNA polymerase III transcription factor to induce transcription of the 5S rRNA genes. The protein binds to a 50 bp internal promoter in the 5S genes called the internal control region (ICR), and nucleates formation of a stable preinitiation complex. This complex recruits the TFIIIC and TFIIIB transcription factors and RNA polymerase III to form the complete transcription complex. The protein is thought to be translated using a non-AUG translation initiation site in mammals based on sequence analysis, protein homology, and the size of the purified protein.
Other Notes	Small volumes of anti-GTF3A 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 GTF3A purchase	MBS6134818 is an antibody targeting GTF3A. Also known as GTF3A (Transcription Factor IIIA, General Transcription Factor IIIA, AP2, TFIIIA) (AP). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GTF3A. It may not necessarily be applicable to this product.

NCBI GI #	166063995
NCBI GeneID	2971
NCBI Accession #	NP_002088
UniProt Primary Accession #	Q92664
UniProt Related Accession #	Q92664
GenBank Nucleotide #	NP_002088.2
NCBI Official Full Name	transcription factor IIIA
NCBI Official Synonym Full Names	general transcription factor IIIA
NCBI Official Symbol	GTF3A
NCBI Official Synonym Symbols	AP2; TFIIIA
UniProt Protein Name	Transcription factor IIIA
UniProt Gene Name	GTF3A
UniProt Synonym Gene Names	TFIIIA
UniProt Entry Name	TF3A_HUMAN
NCBI Protein Information	transcription factor IIIA
UniProt Comments for GTF3A	GTF3A: Interacts with the internal control region (ICR) of approximately 50 bases within the 5S RNA genes, is required for correct transcription of these genes by RNA polymerase III. Also binds the transcribed 5S RNA's. May initiate transcription of the 5S ribosomal RNA gene and maintain the stability of transcription of other genes. 2 isoforms of the human protein are produced by alternative splicing. Protein type: C2H2-type zinc finger protein; Transcription initiation complex Chromosomal Location of Human Ortholog: 13q12.3-q13.1 Cellular Component: nucleoplasm; nucleus Molecular Function: DNA binding; RNA binding; metal ion binding Biological Process: transcription from RNA polymerase III promoter; regulation of transcription, DNA-dependent; gene expression; rRNA transcription
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