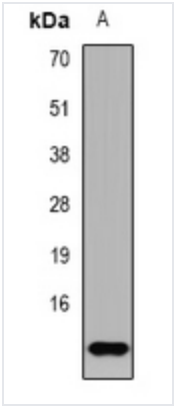
GTF2A2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TF2A2 (GTF2A2), Polyclonal Antibody
Full Product Name	Anti-TF2A2 Antibody
Product Gene Name	anti-GTF2A2 antibody
Product Synonym Names	TF2A2; Transcription initiation factor IIA subunit 2; General transcription factor IIA subunit 2; TFIIA p12 subunit; TFIIA-12; TFIIAS; Transcription initiation factor IIA gamma chain; TFIIA-gamma
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of TF2A2 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	12,457 Da
OMIM	600519
3D Structure	ModBase 3D Structure for P52657
Immunogen	Recombinant full length protein of human TF2A2
Applications Tested/Suitable for anti-GTF2A2 antibody	Western Blot (WB)
Application Notes for anti-GTF2A2 antibody	WB: 1/500 - 1/2000
Related Product Information for anti-GTF2A2 antibody	MBS8247414 is an antibody targeting GTF2A2. Also known as Anti-TF2A2 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to TF2A2
Other Notes	Small volumes of anti-GTF2A2 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.



Western Blot (WB) of anti-GTF2A2 antibody
Western blot analysis of TF2A2 expression in NCIH460 (A) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GTF2A2. It may not necessarily be applicable to this product.

NCBI GI #	1004170627
NCBI GeneID	2958
NCBI Accession #	NP_001307858.1
UniProt Primary Accession #	P52657
UniProt Secondary Accession #	Q6FGB5; A8MYQ7
UniProt Related Accession #	P52657
GenBank Nucleotide #	NM_001320929.1
NCBI Official Full Name	transcription initiation factor IIA subunit 2
NCBI Official Synonym Full Names	general transcription factor IIA subunit 2
NCBI Official Symbol	GTF2A2
NCBI Official Synonym Symbols	TF2A2; TFIIA; T18745; TFIIAS; HsT18745; TFIIA-12; TFIIA-gamma
UniProt Protein Name	Transcription initiation factor IIA subunit 2
UniProt Synonym Protein Names	General transcription factor IIA subunit 2; TFIIA p12 subunit; TFIIA-12; TFIIAS; Transcription initiation factor IIA gamma chain; TFIIA-gamma
UniProt Gene Name	GTF2A2
UniProt Synonym Gene Names	TF2A2; TFIIA-12; TFIIAS; TFIIA-gamma
UniProt Entry Name	T2AG_HUMAN
NCBI Protein Information	transcription initiation factor IIA subunit 2
NCBI Summary for GTF2A2	Accurate transcription initiation on TATA-containing class II genes involves the ordered assembly of RNA polymerase II (POLR2A; MIM 180660) and the general initiation factors TFIIA, TFIIB (MIM 189963), TFIID (MIM 313650), TFIIE (MIM 189962), TFIIF (MIM 189968), TFIIG/TFIIJ, and TFIIH (MIM 189972). The first step involves recognition of the TATA element by the TATA-binding subunit (TBP; MIM 600075) and may be regulated by TFIIA, a factor that interacts with both TBP and a TBP-associated factor (TAF; MIM 600475) in TFIID. TFIIA has 2 subunits (43 and 12 kD) in yeast and 3 subunits in higher eukaryotes. In HeLa extracts, it consists of a 35-kD alpha subunit and a 19-kD beta subunit encoded by the N- and C-terminal regions of GTF2A1 (MIM 600520), respectively, and a 12-kD gamma subunit encoded by GTF2A2 (DeJong et al., 1995 [PubMed 7724559]).[supplied by OMIM, Mar 2008]

UniProt Comments for GTF2A2	GTF2A2: TFIIA is a component of the transcription machinery of RNA polymerase II and plays an important role in transcriptional activation. TFIIA in a complex with TBP mediates transcriptional activity. Belongs to the TFIIA subunit 2 family. Protein type: Transcription, coactivator/corepressor Chromosomal Location of Human Ortholog: 15q22.2 Cellular Component: cell junction; nucleoplasm; transcription factor TFIIA complex Molecular Function: protein binding; protein heterodimerization activity; protein homodimerization activity; TATA-binding protein binding; transcription coactivator activity; transcription factor binding Biological Process: positive regulation of transcription factor activity; positive regulation of transcription from RNA polymerase II promoter; RNA elongation from RNA polymerase II promoter; snRNA transcription from RNA polymerase II promoter; transcription from RNA polymerase II promoter; transcription initiation from RNA polymerase II promoter; transcriptional preinitiation complex assembly
Research Articles on GTF2A2	**1.** transcription factor IIA may regulate the intracellular molecular state and the function of TATA-binding protein-like protein (TLP) through its property of binding to TLP
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-gtf2a2-human-mouse-rat-antibody/tf2a2/8247414