

Rabbit GTF2A1 Polyclonal Antibody | anti-GTF2A1 antibody

GTF2A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326990	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

GTF2A1; Polyclonal Antibody; GTF2A1 Antibody; General transcription factor IIA 1 19/37kDa; General transcription factor IIA subunit 1; General transcription factor IIA1; Glucose regulated protein 58kD pseudogene; gtf2a1; TF2A1; TF2AA_HUMAN; TFIIA 42; TFIIA alpha p55; isoform 1; TFIIA p19 subunit; TFIIA p35 subunit; TFIIA-42; TFIIAL; Transcription initiation factor IIA beta chain; Transcription initiation factor IIA subunit 1; Transcription initiation factor TFIIA 42 kDa subunit; anti-GTF2A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GTF2A1 antibody detects endogenous levels of total GTF2A1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	326
Applicable Applications for anti-GTF2A1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GTF2A1
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA326990 staining RAW264.7 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA326990 at 1/100 staining Rat spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of Mouse liver tissue lysates, using GTF2A1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GTF2A1 antibody

Description: Accurate transcription initiation on TATA-containing class II genes involves the ordered assembly of RNA polymerase II (POLR2A; MIM 180660) and several general initiation factors (summarized by DeJong and Roeder, 1993 [PubMed 8224848]). One of these factors is TFIIA, which when purified from HeLa extracts consists of 35-, 19-, and 12-kD subunits.

Function: 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.

Subunit Structure: TFIIA is a heterodimer of the large unprocessed subunit 1 and a small subunit gamma. It was originally believed to be a heterotrimer of an alpha (p35), a beta (p19) and a gamma subunit (p12). TFIIA forms a complex with TBP.

Post-translational Modifications: The alpha and beta subunits are postranslationally produced from the precursor form by TASP1. The cleavage promotes proteasomal degradation.

Similarity: Belongs to the TFIIA subunit 1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	525313614
NCBI GeneID	2957
NCBI Accession #	NP_001265869.1
NCBI GenBank Nucleotide #	NM_001278940.1
UniProt Accession #	P52655; Q3KNQ9
Molecular Weight	Observed: 19 kDa Predicted: 42 kDa
NCBI Official Full Name	transcription initiation factor IIA subunit 1 isoform 3
NCBI Official Synonym Full Names	general transcription factor IIA subunit 1
NCBI Official Symbol	GTF2A1
NCBI Official Synonym Symbols	TF2A1; TFIIA; TFIIAL; TFIIA-42
NCBI Protein Information	transcription initiation factor IIA subunit 1
UniProt Protein Name	Transcription initiation factor IIA subunit 1
UniProt Gene Name	GTF2A1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gtf2a1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326990>