



Rabbit Anti-GTF2A1 alpha antibody

SL16410R

Product Name:	GTF2A1 alpha
Chinese Name:	通用转录因子 II A 亚基 1/TFIIA- α 抗体
Alias:	General transcription factor IIA subunit 1; General transcription factor IIA1; Glucose regulated protein 58kD pseudogene; gtf2a1; TF2A1; TF2AA_HUMAN; TFIIA 42; TFIIA alpha p55; TFIIA alpha p55, isoform 1; TFIIA p35 subunit; TFIIA-42; TFIIAL; Transcription initiation factor IIA alpha chain; Transcription initiation factor IIA subunit 1; Transcription initiation factor TFIIA 42 kDa subunit.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	35/42kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GTF2A1 alpha:1-100/376
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.[supplied by OMIM, Jul 2010]

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.

Subcellular Location:

Nucleus.

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.

SWISS:

P52655

Gene ID:

2957

Database links:

[Entrez Gene: 2957](#) Human

[Entrez Gene: 83602](#) Mouse

[Entrez Gene: 83830](#) Rat

[Omim: 600520](#) Human

[SwissProt: P52655](#) Human

[SwissProt: Q99PM3](#) Mouse

[SwissProt: O08949](#) Rat

[Unigene: 592334](#) Human

[Unigene: 275728](#) Mouse

[Unigene: 432242](#) Mouse

[Unigene: 44436](#) Rat

	<p>Important Note:</p>
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