

Immunotag™ TFIIA-α Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT4614
Product Description	Immunotag™ TFIIA-α Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TFIIA-α
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from TFIIA-α, at AA range: 250-330
Specificity	TFIIA-α Polyclonal Antibody detects endogenous levels of TFIIA-α protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	GTF2A1
Accession No.	P52655 Q99PM3 O08949
Alternate Names	GTF2A1; TF2A1; Transcription initiation factor IIA subunit 1; General transcription factor IIA subunit 1; TFIIL; Transcription initiation factor TFIIA 42 kDa subunit; TFIIA-42

Antibody Specification

Description	general transcription factor IIA subunit 1(GTF2A1) Homo sapiens 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],
Cell Pathway/ Category	Basal transcription factors,
Protein Expression	Epithelium,
Subcellular Localization	nucleoplasm,transcription factor TFIID complex,transcription factor TFIIA complex,cytoplasm,
Protein Function	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.,PTM:The alpha and beta subunits are postrtranslationally produced from the precursor form by TASP1. The cleavage promotes proteosomal degradation.,similarity:Belongs to the TFIIA subunit 1 family.,subunit: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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.