



TFIIA-α Monoclonal Antibody

Catalog No	YP-mAb-02103
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	GTF2A1
Immunogen	The antiserum was produced against synthesized peptide derived from human TF2A1. AA range:281-330
Specificity	TFIIA-α Monoclonal Antibody detects endogenous levels of TFIIA-α protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GTF2A1;TF2A1;TFIIA;TFIIA 42;TFIIA p19 subunit;TFIIAL;TFIIA-α;Transcription initiation factor IIA subunit 1;General transcription factor IIA subunit 1;Transcription initiation factor TFIIA 42 kDa subunit;TFIIA-42
Observed Band	42kD
Calculated Molecular Weight	42kD
Cell Pathway	Nucleus.
Tissue Specificity	Epithelium,
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 postranslationally 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.,



Background

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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

