



# TFIIA- $\alpha$ Polyclonal Antibody

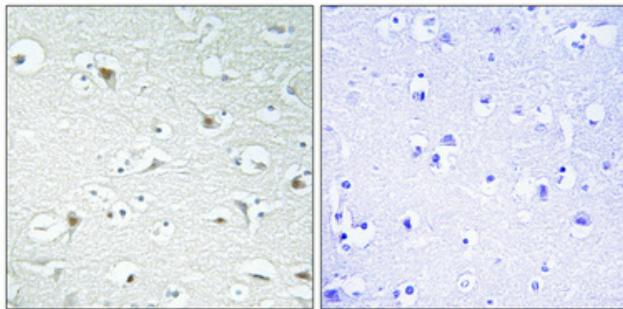
<b>Catalog No</b>	BYab-02103
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Gene Name</b>	GTF2A1
<b>Protein Name</b>	Transcription initiation factor IIA subunit 1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human TF2A1. AA range:281-330
<b>Specificity</b>	TFIIA- $\alpha$ Polyclonal Antibody detects endogenous levels of TFIIA- $\alpha$ protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	$\geq 90\%$
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	GTF2A1; TF2A1; Transcription initiation factor IIA subunit 1; General transcription factor IIA subunit 1; TFIIAL; Transcription initiation factor TFIIA 42 kDa subunit; TFIIA-42
<b>Observed Band</b>	42kD
<b>Cell Pathway</b>	Nucleus.
<b>Tissue Specificity</b>	Epithelium,
<b>Function</b>	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.,

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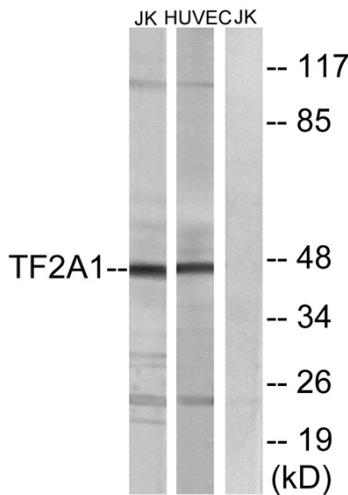


<b>Background</b>	Accurate transcription initiation on TATA-containing class II genes involves the ordered assembly of RNA polymerase II (POLR2A; MIM 180660) and several general initiation factors (summarized by DeJong and Roeder, 1993 [PubMed 8224848]). One of these factors is TFIIA, which when purified from HeLa extracts consists of 35-, 19-, and 12-kD subunits.[supplied by OMIM, Jul 2010],
<b>matters needing attention</b>	Avoid repeated freezing and thawing!
<b>Usage suggestions</b>	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from Jurkat and HUVEC cells, using TF2A1 Antibody. The lane on the right is blocked with the synthesized peptide.