

TFIIA-a Polyclonal Antibody

YT4614 **Catalog No:**

Human; Mouse; Rat Reactivity:

Applications: WB;IHC;IF;ELISA

Target: TFIIA-a

Fields: >>Basal transcription factors;>>Viral carcinogenesis

Gene Name: GTF2A1

Protein Name: Transcription initiation factor IIA subunit 1

Q99PM3

Human Gene Id: 2957

Human Swiss Prot

P52655

No:

Mouse Gene Id: 83602

Mouse Swiss Prot

No:

Rat Gene Id: 83830

O08949 **Rat Swiss Prot No:**

Immunogen: The antiserum was produced against synthesized peptide derived from human

TF2A1. AA range:281-330

Specificity: TFIIA-α Polyclonal Antibody detects endogenous levels of TFIIA-α protein.

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Formulation:

Source: Polyclonal, Rabbit, IgG

WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200 **Dilution:**

1/3



Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 42kD

Cell Pathway : Basal transcription factors;

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],

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.,

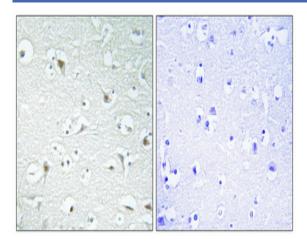
Subcellular Location:

Nucleus.

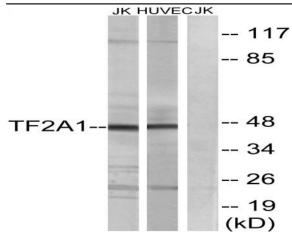
Expression:

Epithelium,

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. Negetive 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.