

Product datasheet for **AP20422PU-N**

GTF2A1 (TFIIA-alpha) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on paraffin sections: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of TFIIA- α protein. (region surrounding Glu311)
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen; purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 42 kDa
Gene Name:	general transcription factor IIA subunit 1
Database Link:	Entrez Gene 83602 Mouse Entrez Gene 83830 Rat Entrez Gene 2957 Human P52655



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Background:

Initiation of transcription from protein-coding genes in eukaryotes is a complex process that requires RNA polymerase II, as well as families of basal transcription factors. Binding of the factor TFIID (TBP) to the TATA box is believed to be the first step in the formation of a multiprotein complex containing several additional factors, including TFIIA, TFIIB, TFIIE, TFIIIF and TFIIH. Recognition of the TATA binding element by TBP, one of the first steps in transcription initiation, may be regulated by TFIIA. TFIIA consists of three subunits designated TFIIA- α , TFIIA- β and TFIIA- γ , and it interacts with both TBP and a TAF (TBP-associated factor). It has been demonstrated that the basic region of TBP is essential for TFIIA-dependent function of TBP.

Synonyms:

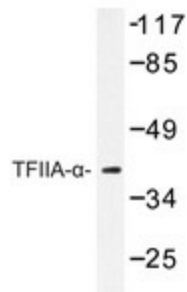
TFIIA-42, TFIIAL

Protein Families:

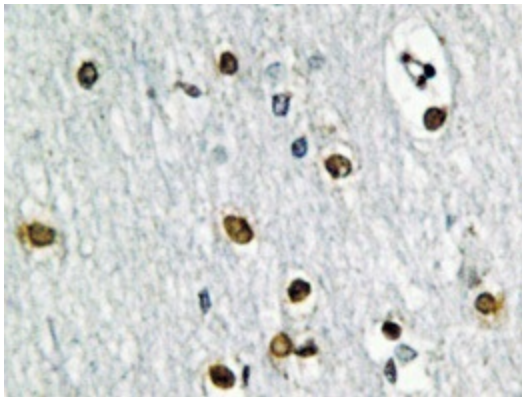
Transcription Factors

Protein Pathways:

Basal transcription factors

Product images:


Western blot analysis of TFIIA-a antibody (Cat.-No.: AP20422PU-N) in extracts from RAW264.7 cells.



Immunohistochemistry analyzes of TFIIA-a antibody (Cat.-No.: AP20422PU-N) in paraffin-embedded human brain tissue.