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GTF2A1 alpha Rabbit pAb

Catalog # AP99816

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	P52655
Other Accession	P52655
Predicted	Rat, Human, Mouse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41514
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GTF2A1 alpha
Epitope Specificity	1-100/376
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the TFIIA subunit 1 family.
Post-translational modifications	The alpha and beta subunits are postranslationally produced from the precursor form by TASP1. The cleavage promotes proteasomal degradation.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	2957
Other Names	TF2A1; TFIIA; TFIIA-42; TFIIAL; 6330549H03Rik; TfIIAa/b; Tfiia1; Tf2a; TF2AA_HUMAN; GTF2A1; General transcription factor IIA subunit 1; Transcription initiation factor TFIIA 42 kDa subunit (TFIIA-42); TF2AA_MOUSE; TF2AA_RAT; glucose regulated protein, 58kD pseudogene; general transcription factor IIA, 1, 19/37kDa; general transcription factor IIA 1; TFIIA alpha/beta subunits
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GTF2A1
Synonyms	TF2A1
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.
Cellular Location	Nucleus.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.