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GTF2H4 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8730C

Specification

GTF2H4 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q92759
Other Accession	O70422
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**52186**
Antigen Region	**123-151**

GTF2H4 Antibody (Center) - Additional Information

Gene ID 2968

Other Names
General transcription factor IIH subunit 4, Basic transcription factor 2 52 kDa subunit, BTF2 p52, General transcription factor IIH polypeptide 4, TFIIH basal transcription factor complex p52 subunit, GTF2H4

Target/Specificity
This GTF2H4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 123-151 amino acids from the Central region of human GTF2H4.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
GTF2H4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GTF2H4 Antibody (Center) - Protein Information

Name GTF2H4

Function Component of the general transcription and DNA repair factor IIH (TFIIH) core complex, which is involved in general and transcription-coupled nucleotide excision repair (NER) of damaged DNA and, when complexed to CAK, in RNA transcription by RNA polymerase II. In NER, TFIIH acts by opening DNA around the lesion to allow the excision of the damaged oligonucleotide and its replacement by a new DNA fragment. In transcription, TFIIH has an essential role in transcription initiation. When the pre-initiation complex (PIC) has been established, TFIIH is required for promoter opening and promoter escape. Phosphorylation of the C-terminal tail (CTD) of the largest subunit of RNA polymerase II by the kinase module CAK controls the initiation of transcription.

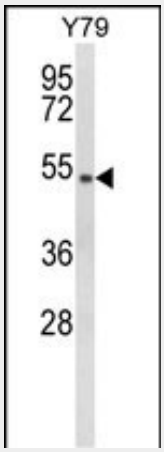
Cellular Location
Nucleus.

GTF2H4 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GTF2H4 Antibody (Center) - Images



Western blot analysis of GTF2H4 Antibody (Center) (Cat. #AP8730c) in Y79 cell line lysates (35ug/lane). GTF2H4 (arrow) was detected using the purified Pab.

GTF2H4 Antibody (Center) - Background

Component of the core-TFIIH basal transcription factor involved in nucleotide excision repair (NER) of DNA and, when complexed to CAK, in RNA transcription by RNA polymerase II.

GTF2H4 Antibody (Center) - References

Blau,J., et.al., Mol. Cell. Biol. 16 (5), 2044-2055 (1996)
Zhou,Q. et.al., Science 274 (5287), 605-610 (1996)