

GTF2H1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14191a

Specification

GTF2H1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P32780
Other Accession	O9DBA9 , NP_001135779.1 , NP_005307.1
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	62032
Antigen Region	84-112

GTF2H1 Antibody (N-term) - Additional Information

Gene ID 2965

Other Names

General transcription factor IIH subunit 1, Basic transcription factor 2 62 kDa subunit, BTF2 p62, General transcription factor IIH polypeptide 1, TFIID basal transcription factor complex p62 subunit, GTF2H1, BTF2

Target/Specificity

This GTF2H1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 84-112 amino acids from the N-terminal region of human GTF2H1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

GTF2H1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GTF2H1 Antibody (N-term) - Protein Information

Name GTF2H1 ([HGNC:4655](#))

Synonyms BTF2

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

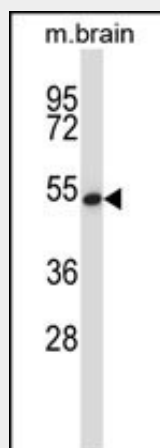
Nucleus.

GTF2H1 Antibody (N-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GTF2H1 Antibody (N-term) - Images



GTF2H1 Antibody (N-term) (Cat. #AP14191a) western blot analysis in mouse brain tissue lysates (35ug/lane). This demonstrates the GTF2H1 antibody detected the GTF2H1 protein (arrow).

GTF2H1 Antibody (N-term) - 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.

GTF2H1 Antibody (N-term) - References

Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)

Briggs, F.B., et al. Am. J. Epidemiol. 172(2):217-224(2010)
Wu, W., et al. Lung Cancer 63(2):180-186(2009)
Bethke, L., et al. J. Natl. Cancer Inst. 100(4):270-276(2008)
Di Lello, P., et al. Biochemistry 44(21):7678-7686(2005)