10320 Camino Santa Fe, Suite G
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GTF2H4 / TFB2 Antibody (Ala32)

Rabbit Polyclonal Antibody

Catalog # ALS17027

Specification

GTF2H4 / TFB2 Antibody (Ala32) - Product Information

Application	**IHC, WB**
Primary Accession	Q92759
Other Accession	2968
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**52186**

GTF2H4 / TFB2 Antibody (Ala32) - Additional Information

Gene ID 2968

Other Names
GTF2H4, BTF2 p52, p52, TFIIH, TFB2

Target/Specificity
Human TFIIH / GTF2H4

Reconstitution & Storage
PBS, pH 7.2, 0.05% sodium azide. Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Precautions
GTF2H4 / TFB2 Antibody (Ala32) is for research use only and not for use in diagnostic or therapeutic procedures.

GTF2H4 / TFB2 Antibody (Ala32) - 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.

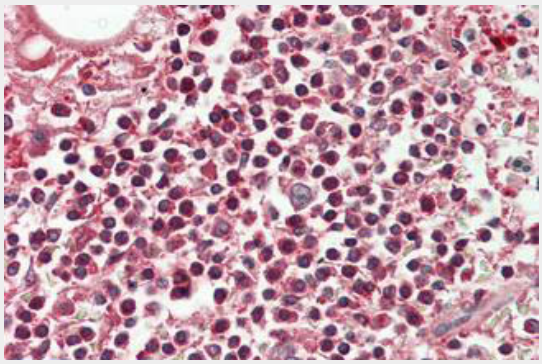
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GTF2H4 / TFB2 Antibody (Ala32) - Protocols

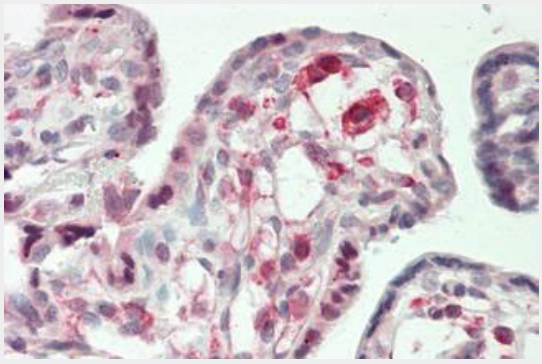
Provided below are standard protocols that you may find useful for product applications.

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

GTF2H4 / TFB2 Antibody (Ala32) - Images

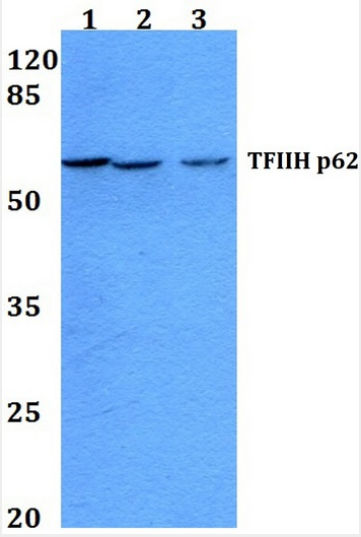


Human Spleen: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)

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Western blot analysis of TFIIH Antibody at a 1:500 dilution.

GTF2H4 / TFB2 Antibody (Ala32) - 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 / TFB2 Antibody (Ala32) - References

Marinoni J.-C.,et al.EMBO J. 16:1093-1102(1997).
Shiina S.,et al.Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Shiina T.,et al.Genetics 173:1555-1570(2006).