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GTF2H4 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP8730c

Specification

GTF2H4 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q92759

GTF2H4 Antibody (Center) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP8730c was selected from the Center region of human GTF2H4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GTF2H4 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- Blocking Peptides

GTF2H4 Antibody (Center) Blocking Peptide - Images

GTF2H4 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - References

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