10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GTF2H3 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP9507c

Specification

GTF2H3 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q13889

GTF2H3 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 2967

Other Names
General transcription factor IIH subunit 3, Basic transcription factor 2 34 kDa subunit, BTF2 p34, General transcription factor IIH polypeptide 3, TFIIH basal transcription factor complex p34 subunit, GTF2H3

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.

GTF2H3 Antibody (Center) Blocking Peptide - Protein Information

Name GTF2H3

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

GTF2H3 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

GTF2H3 Antibody (Center) Blocking Peptide - Images

GTF2H3 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. Anchors XPB.

GTF2H3 Antibody (Center) Blocking Peptide - References

Bethke, L., et al. J. Natl. Cancer Inst. 100(4):270-276(2008)Giglia-Mari, G., et al. Nat. Genet. 36(7):714-719(2004)