

GTF2H1 (3E8) Mouse mAb

Catalog # AP53494

Specification

GTF2H1 (3E8) Mouse mAb - Product Information

Application WB, ICC, IP
Primary Accession P32780
Host Mouse

Clonality Monoclonal Antibody

Isotype IgG1

Conjugate Unconjugated

Immunogen Purified recombinant human

GTF2H1protein fragments expressed in

E.coli.

Purification Affinity Purified

Calculated MW: 62 kDa; Observed MW: 62

kDa KDa

GTF2H1 (3E8) Mouse mAb - Additional Information

Gene ID 2965

Other Names

P62;BTF2;TFB1;TFIIH.

Dilution

WB~~1:300 ICC~~1:50 IP~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

GTF2H1 (3E8) Mouse mAb - 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.

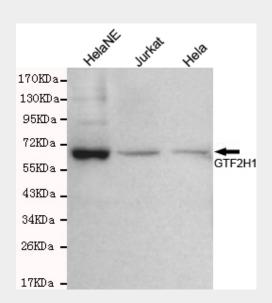
Cellular Location Nucleus.

GTF2H1 (3E8) Mouse mAb - Protocols

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

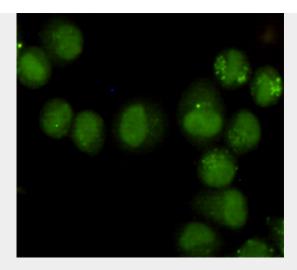
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GTF2H1 (3E8) Mouse mAb - Images

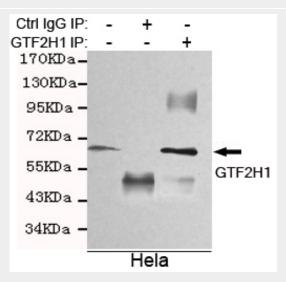


Western blot detection of GTF2H1 in Hela, Hela NE and Jurkat cell lysates using GTF2H1 mouse mAb (1:300 diluted). Predicted band size: 62KDa. Observed band size: 62KDa.





Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using GTF2H1 mouse mAb (dilution 1:50).



Immunoprecipitation analysis of Hela cell lysates using GTF2H1 mouse mAb.

GTF2H1 (3E8) Mouse mAb - Background

Swiss-Prot Acc.P32780.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.