

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
Calculated MW	62032

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

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

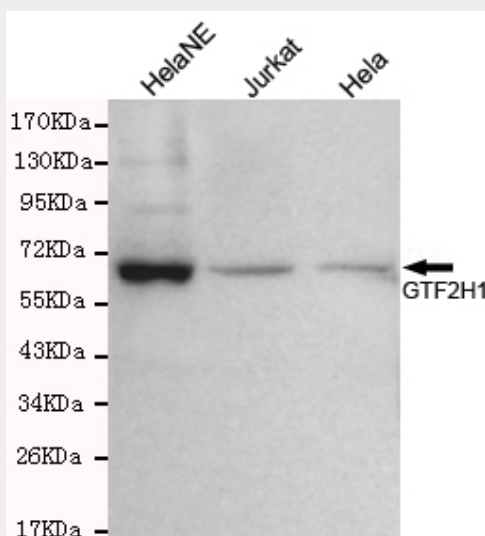
Nucleus.

GTF2H1 (3E8) Mouse mAb - Protocols

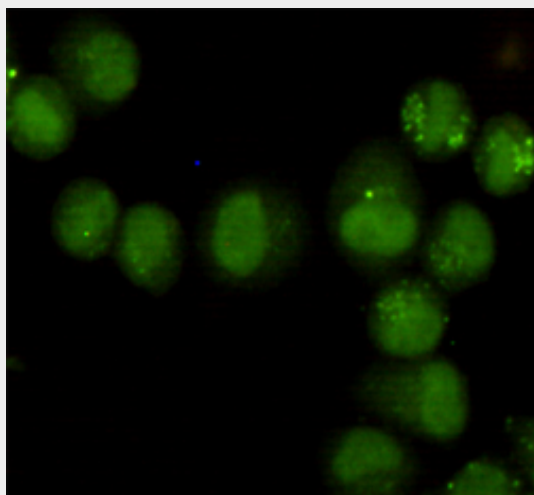
Provided below are standard protocols that you may find useful for product applications.

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

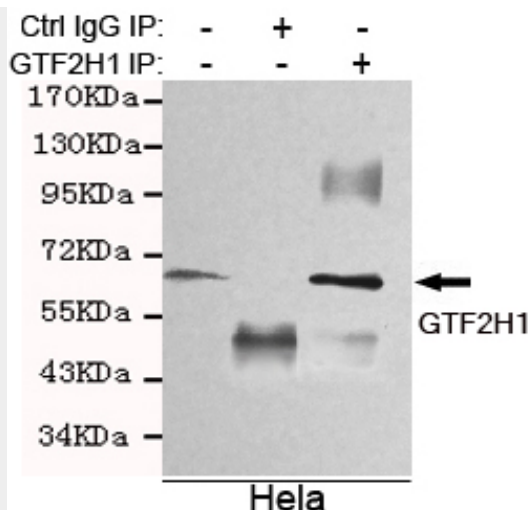
GTF2H1 (3E8) Mouse mAb - Images



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-TFIIF basal transcription factor involved in nucleotide excision repair (NER) of DNA and, when complexed to CAK, in RNA transcription by RNA polymerase II.