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

GTF2H1 (3E8) Mouse mAb

Catalog # AP53494

Product Information

Application	WB, ICC, IP
Primary Accession	P32780
Host	Mouse
Clonality	Monoclonal Antibody
Calculated MW	62032

Additional Information

Gene ID	2965
Other Names	P62;BTF2;TFB1;TFIIH.
Dilution	WB~~1:300 ICC~~1:50 IP~~N/A

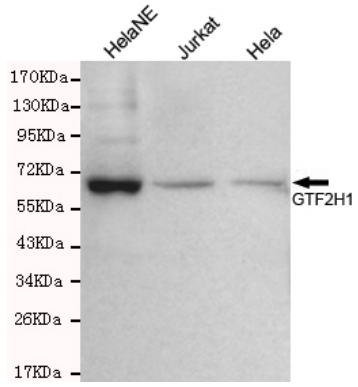
Protein Information

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.

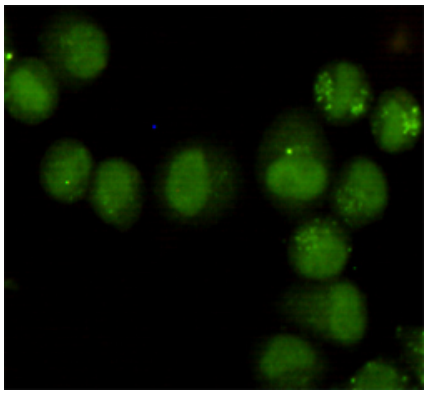
Background

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.

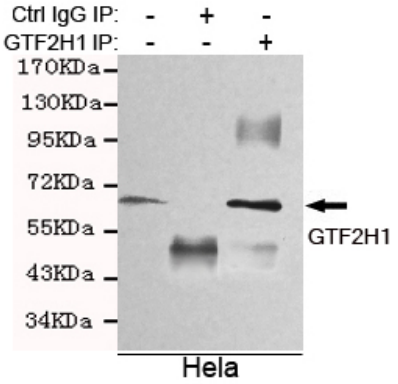
Images



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.