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Anti-GTF2H1 Antibody

Catalog # AP53910

Product Information

Application	WB, IHC
Primary Accession	P32780
Reactivity	Human, Mouse, Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62032

Additional Information

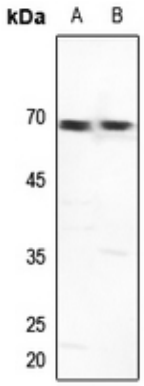
Gene ID	2965
Other Names	BTF2; General transcription factor IIHC subunit 1; Basic transcription factor 2 62 kDa subunit; BTF2 p62; General transcription factor IIHC polypeptide 1; TFIIHC basal transcription factor complex p62 subunit
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human GTF2H1. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

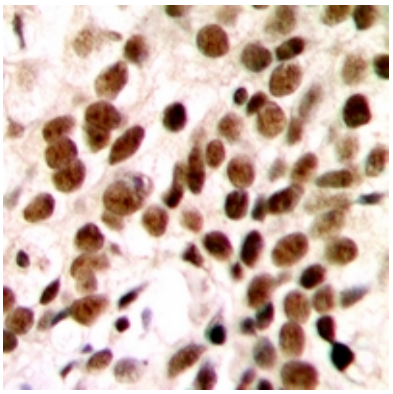
Name	GTF2H1 (HGNC:4655)
Synonyms	BTF2
Function	Component of the general transcription and DNA repair factor IIH (TFIIH) core complex, which is involved in general and transcription-coupled nucleotide excision repair (NER) of damaged DNA and, when complexed to CAK, in RNA transcription by RNA polymerase 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.

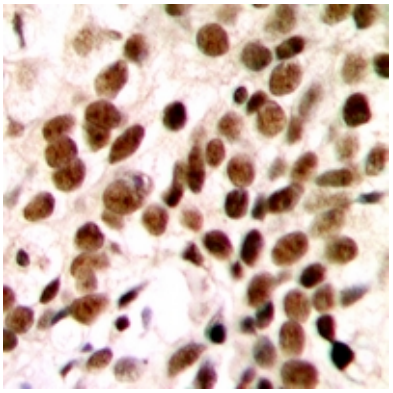
Images



Western blot analysis of GTF2H1 expression in mouse brain (A), rat brain (B) whole cell lysates. (Predicted band size: 62 kD; Observed band size: 65 kD)



Immunohistochemical analysis of GTF2H1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.