

**Anti-GTF2H1 Antibody**  
Catalog # AP53910**Specification**

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**Anti-GTF2H1 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P32780</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>62032</b>

**Anti-GTF2H1 Antibody - Additional Information****Gene ID** 2965**Other Names**

BTF2; General transcription factor IIH subunit 1; Basic transcription factor 2 62 kDa subunit; BTF2 p62; General transcription factor IIH polypeptide 1; TFIIH basal transcription factor complex p62 subunit

**Target/Specificity**

Recognizes endogenous levels of GTF2H1 protein.

**Dilution**

WB~~1/500 - 1/1000

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-GTF2H1 Antibody - Protein Information****Name** GTF2H1**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

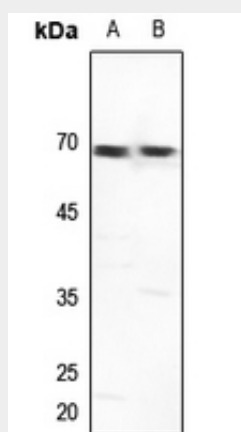
Nucleus.

### Anti-GTF2H1 Antibody - Protocols

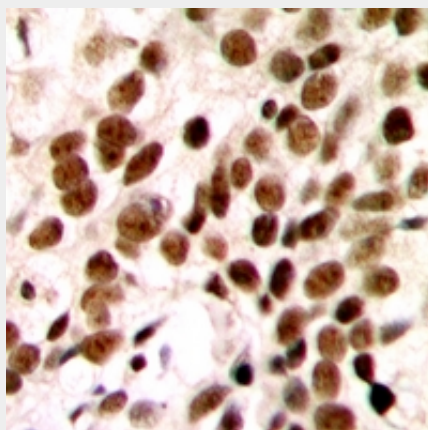
Provided below are standard protocols that you may find useful for product applications.

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

### Anti-GTF2H1 Antibody - Images



Western blot analysis of GTF2H1 expression in mouse brain (A), rat brain (B) whole cell lysates.



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.

### **Anti-GTF2H1 Antibody - Background**

Rabbit polyclonal antibody to GTF2H1