

**BTF Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV10566****Specification**

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**BTF Antibody - Product Information**

Application	WB, IP
Primary Accession	<a href="#">Q9NYF8</a>
Other Accession	<a href="#">NP_055554</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	106122

**BTF Antibody - Additional Information****Gene ID 9774**

Application & Usage	Western blotting (1:500-1:2000) and immunoprecipitation. However, the optimal concentrations should be determined individually. HeLa cell lysate can be used as a positive control for Western blotting. The antibody recognizes the BTF of human and mouse origins. Reactivity to other species has not been tested.
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**Other Names**

BTF, BCLAF1, BCLAF-1, BCL2-Associated Transcription Factor 1, KIAA0164

**Target/Specificity**

BTF

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µl purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 1% BSA and 0.02% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

## Background Descriptions

### Precautions

BTF Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## BTF Antibody - Protein Information

**Name** BCLAF1

**Synonyms** BTF, KIAA0164

### Function

Death-promoting transcriptional repressor. May be involved in cyclin-D1/CCND1 mRNA stability through the SNARP complex which associates with both the 3'end of the CCND1 gene and its mRNA.

### Cellular Location

Cytoplasm. Nucleus. Nucleus speckle. Nucleus, nucleoplasm

### Tissue Location

Ubiquitous.

## BTF 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](#)

## BTF Antibody - Images

## BTF Antibody - Background

The initiation of gene transcription involves the ordered assembly of a multiprotein complex on proximal promoter elements such as the TATA box. In addition to RNA polymerase II, the transcription factors class II (TFII) family of proteins are required for initiation of transcription, as the first step in the formation of this initiation complex is the stable binding of TFIID to the TATA box. An additional TFII related protein, BTF3, does not directly associate with the proximal promoter, but rather forms a stable complex with RNA pol II and facilitates RNA pol II assembling into the complex. The BTF3 gene is ubiquitously expressed and encodes for two protein isoforms, BTF3a and BTF3b, which are produced from alternative splicing. The BTF3 proteins are identical except that BTF3b lacks the first 44 amino acids at the N-terminal of BTF3a. As a consequence of this deletion, BTF3b is unable to induce transcription, despite being able to bind RNA pol II. Additionally, BTF3a and BTF3b associate with the widely expressed protein kinase CK2. CK2 phosphorylates BTF3a, as well as TFIIB, and is required for the efficient transcription of the tRNA and 5S rRNA genes by RNA

pol III. BTF3 belongs to the NAC- $\beta$  family, which includes several related proteins, such as BTF3L1, BTF3L2, BTF3L3 and BTF3L4.