

BTF3 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11100a**Specification**

BTF3 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P20290
Other Accession	NP_001198.2 , NP_001032726.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	22168
Antigen Region	1-30

BTF3 Antibody (N-term) - Additional Information**Gene ID** 689**Other Names**

Transcription factor BTF3, Nascent polypeptide-associated complex subunit beta, NAC-beta, RNA polymerase B transcription factor 3, BTF3, NACB

Target/Specificity

This BTF3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human BTF3.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

BTF3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

BTF3 Antibody (N-term) - Protein Information**Name** BTF3

Synonyms NACB

Function When associated with NACA, prevents inappropriate targeting of non-secretory polypeptides to the endoplasmic reticulum (ER). Binds to nascent polypeptide chains as they emerge from the ribosome and blocks their interaction with the signal recognition particle (SRP), which normally targets nascent secretory peptides to the ER. BTF3 is also a general transcription factor that can form a stable complex with RNA polymerase II. Required for the initiation of transcription.

Cellular Location

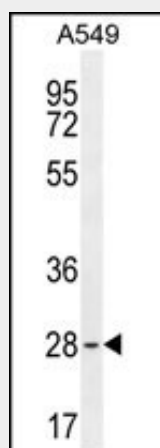
Cytoplasm. Nucleus. Note=The heterodimer with NACA is cytoplasmic

BTF3 Antibody (N-term) - Protocols

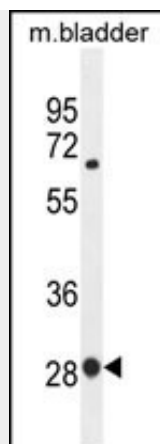
Provided below are standard protocols that you may find useful for product applications.

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

BTF3 Antibody (N-term) - Images



BTF3 Antibody (N-term) (Cat. #AP11100a) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the BTF3 antibody detected the BTF3 protein (arrow).



BTF3 Antibody (N-term) (Cat. #AP11100a) western blot analysis in mouse bladder tissue lysates (35ug/lane). This demonstrates the BTF3 antibody detected the BTF3 protein (arrow).

BTF3 Antibody (N-term) - Background

This gene encodes the basic transcription factor 3. This protein forms a stable complex with RNA polymerase IIB and is required for transcriptional initiation. Alternative splicing results in multiple transcript variants encoding different isoforms. This gene has multiple pseudogenes.

BTF3 Antibody (N-term) - References

Green, C.D., et al. Mol. Cancer Res. 5(11):1191-1200(2007)
Matsuoka, S., et al. Science 316(5828):1160-1166(2007)
Kusumawidjaja, G., et al. Cancer Biol. Ther. 6(3):367-376(2007)
Freire, M.A. Gene 345(2):271-277(2005)
Harrington, J.J., et al. Nat. Biotechnol. 19(5):440-445(2001)