
Product Name: KD-Validated BTF3 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00619**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 22.2kDa

Antigen Information

Gene Name	BTF3 BTF3; Basic Transcription Factor 3; BTF3a; BTF3b; NACB; Nascent-Polypeptide-Associated
Alternative Names	Complex Beta Polypeptide; Nascent Polypeptide-Associated Complex Subunit Beta; RNA Polymerase B Transcription Factor 3; Transcription Factor BTF3; NAC-Beta; BETA-NAC
Gene ID	689.0
SwissProt ID	P20290
Immunogen	Recombinant protein of human BTF3

Background

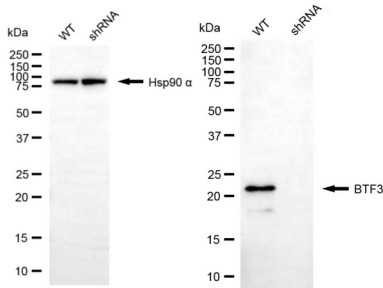
This gene encodes the basic transcription factor 3. This protein forms a stable complex with RNA polymerase IIB and is required for transcriptional initiation. Alternative splicing results in multiple transcript variants encoding different isoforms. This gene

has multiple pseudogenes. [provided by RefSeq, Jul 2008]

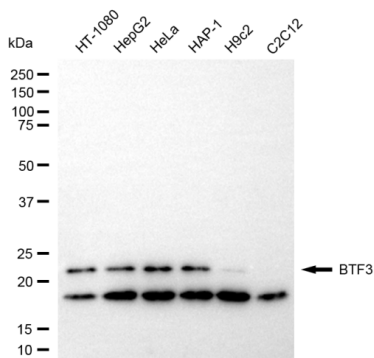
Research Area

Epigenetics and Nuclear Signaling

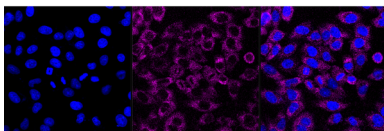
Image Data



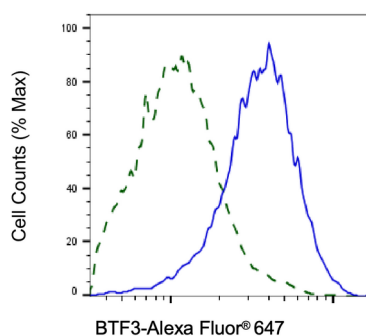
Western blotting analysis using BTF3 antibody (KVA00619). BTF3 expression in wild-type (WT) and BTF3 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with BTF3 antibody (KVA00619, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



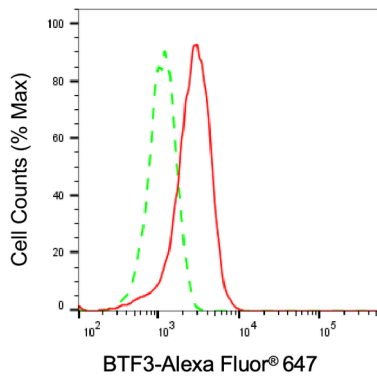
Western blotting analysis using BTF3 antibody (KVA00619). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with BTF3 antibody (KVA00619, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with BTF3 antibody (KVA00619, 1:1,000). Nuclei were stained blue with DAPI; BTF3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Validation of BTF3 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with BTF3 antibody (KVA00619, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of BTF3 expression in HepG2 cells using BTF3 antibody (KVA00619, 1:2,000). Green, isotype control; red, BTF3.