

[KO]BTF3 Rabbit mAb

Catalog # AP75170

Product Information

Application	WB, IHC-P, FC, IP
Primary Accession	P20290
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	22168

Additional Information

Gene ID	689
Other Names	BTF3
Dilution	WB~~1:500-1:1000 IHC-P~~N/A FC~~1:100-1:200 IP~~1:50-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

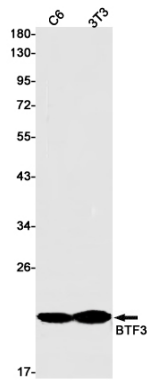
Protein Information

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

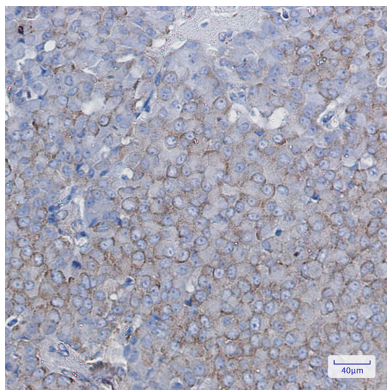
Background

Basic transcription factor 3 (BTF3), also known as nascent-polypeptide-associated complex (NAC) beta (NACB), belongs to the NAC-beta family. BTF3 serves as an oncogene and convey worse prognosis in gastric cancer, pancreatic cancer, osteosarcoma, cervical cancer, hypopharyngeal squamous cell carcinoma, prostate cancer , breast cancer. Due to alternative splicing, BTF3 is present in two different isoforms, BTF3a and BTF3b. BTF3a is the transcriptionally active form of BTF3, while the isoform lacking the first 44 amino acids of the BTF3a N-terminus, BTF3b, is transcriptionally inactive, two isoforms of BTF3, BTF3a and BTF3b corresponding to 23kDa and 18kDa(PMID: 23029305).

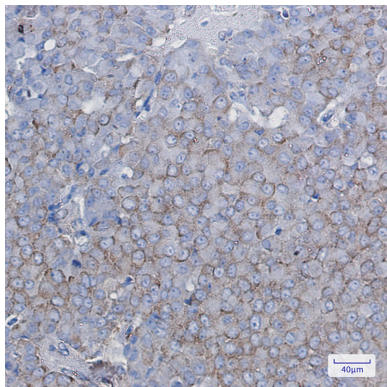
Images

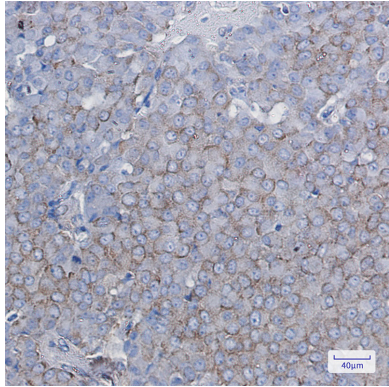
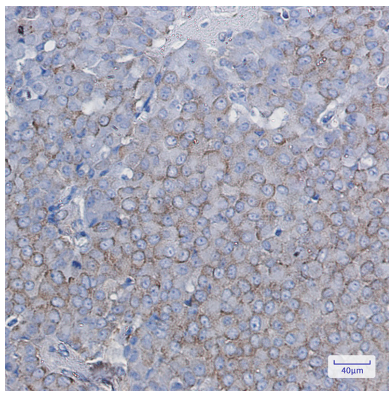


Western blot analysis of BTF3 in C6, 3T3 lysates using BTF3 antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using BTF3 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.





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