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Anti-BRF1 Antibody

Catalog # AP51020

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q92994
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73840

Additional Information

Gene ID	2972
Other Names	BRF; GTF3B; TAF3B2; TAF3C; Transcription factor IIIB 90 kDa subunit; TFIIIB90; hTFIIIB90; B-related factor 1; BRF-1; hBRF; TAF3B2; TATA box-binding protein-associated factor, RNA polymerase III, subunit 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human BRF1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

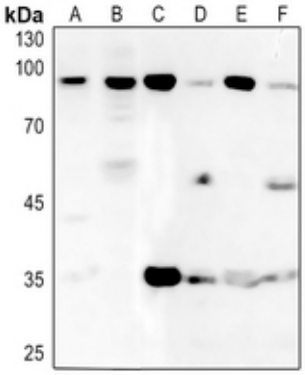
Name	BRF1
Synonyms	BRF, GTF3B, TAF3B2, TAF3C
Function	General activator of RNA polymerase which utilizes different TFIIIB complexes at structurally distinct promoters. The isoform 1 is involved in the transcription of tRNA, adenovirus VA1, 7SL and 5S RNA. Isoform 2 is required for transcription of the U6 promoter.
Cellular Location	Nucleus.

References

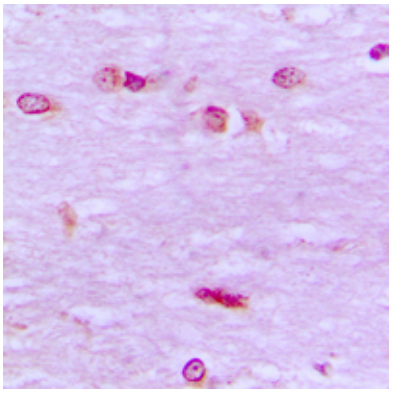
Wang Z.,et al.Proc. Natl. Acad. Sci. U.S.A. 92:7026-7030(1995).

Mital R.,et al.Mol. Cell. Biol. 16:7031-7042(1996).
McCulloch V.,et al.EMBO J. 19:4134-4143(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Heilig R.,et al.Nature 421:601-607(2003).

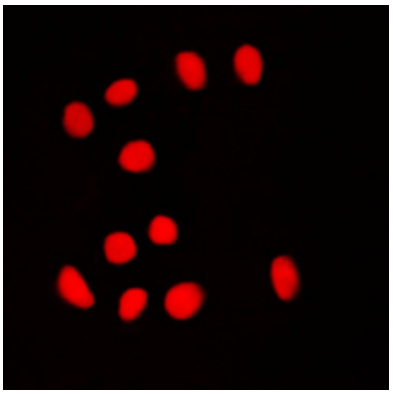
Images



Western blot analysis of BRF1 expression in A549 (A), H1688 (B), mouse muscle (C), mouse testis (D), rat muscle (E), rat testis (F) whole cell lysates. (Predicted band size: 73 kD; Observed band size: 90 kD)



Immunohistochemical analysis of BRF1 staining in human brain 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.



Immunofluorescent analysis of BRF1 staining in NIH3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.