

Product Name: TF2B (18H9) Rabbit Monoclonal Antibody
Catalog #: AMRe18810

Summary

Production Name	TF2B (18H9) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	GTF2B
Alternative Names	gtf2b; S300 II; TF IIB; TF2B; TFIIB;
Gene ID	2959.0
SwissProt ID	Q00403.

Application

Dilution Ratio	WB 1:500-1:2000
Molecular Weight	35kDa

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Background

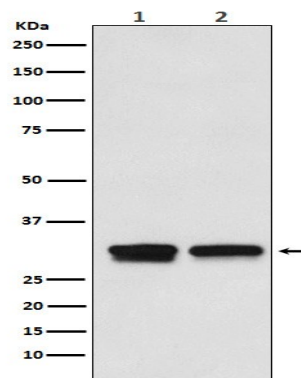
General factor that plays a major role in the activation of eukaryotic genes transcribed by RNA polymerase II. General transcription factor that plays a role in transcription initiation by RNA polymerase II (Pol II). Involved in the pre-initiation complex (PIC) formation and Pol II recruitment at promoter DNA (PubMed: [1876184](http://www.uniprot.org/citations/1876184), PubMed: [1946368](http://www.uniprot.org/citations/1946368), PubMed: [1517211](http://www.uniprot.org/citations/1517211), PubMed: [3818643](http://www.uniprot.org/citations/3818643), PubMed: [3029109](http://www.uniprot.org/citations/3029109), PubMed: [8413225](http://www.uniprot.org/citations/8413225), PubMed: [8515820](http://www.uniprot.org/citations/8515820), PubMed: [8516311](http://www.uniprot.org/citations/8516311), PubMed: [8516312](http://www.uniprot.org/citations/8516312), PubMed: [7601352](http://www.uniprot.org/citations/7601352), PubMed: [9420329](http://www.uniprot.org/citations/9420329), PubMed: [12931194](http://www.uniprot.org/citations/12931194), PubMed: [27193682](http://www.uniprot.org/citations/27193682)). Together with the TATA box-bound TBP forms the core initiation complex and provides a bridge between TBP and the Pol II-TFIIF complex (PubMed: [8504927](http://www.uniprot.org/citations/8504927), PubMed: [8413225](http://www.uniprot.org/citations/8413225), PubMed: [8515820](http://www.uniprot.org/citations/8515820), PubMed: [8516311](http://www.uniprot.org/citations/8516311), PubMed: [8516312](http://www.uniprot.org/citations/8516312)). Released from the PIC early following the onset of transcription during the initiation and elongation transition and reassociates with TBP during the next transcription cycle (PubMed: [7601352](http://www.uniprot.org/citations/7601352)). Associates with chromatin to core promoter-specific regions (PubMed: [12931194](http://www.uniprot.org/citations/12931194), PubMed: [24441171](http://www.uniprot.org/citations/24441171)). Binds to two distinct DNA core promoter consensus sequence elements in a TBP- independent manner; these IIB-recognition elements (BREs) are localized immediately upstream (BREu), 5'-[GC][GC][GA]CGCC-3', and downstream (BREd), 5'-[GA]T[GA][TG][GT][TG][TG]-3', of the TATA box element (PubMed: [9420329](http://www.uniprot.org/citations/9420329), PubMed: [16230532](http://www.uniprot.org/citations/16230532), PubMed: [7675079](http://www.uniprot.org/citations/7675079), PubMed: [10619841](http://www.uniprot.org/citations/10619841)). Modulates transcription start site selection (PubMed: [10318856](http://www.uniprot.org/citations/10318856)). Exhibits also

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autoacetyltransferase activity that contributes to the activated transcription (PubMed:12931194).

Research Area

Image Data



Western blot analysis of TFIIIB expression in (1) HepG2 cell lysate; (2) RAW264.7 cell lysate.

Note

For research use only.