

TF2B Antibody
Rabbit mAb
Catalog # AP92390

Specification

TF2B Antibody - Product Information

| | |
|--------------------------------------|------------------------|
| Application | WB, IP |
| Primary Accession | Q00403 |
| Reactivity | Rat |
| Clonality | Monoclonal |
| Other Names | |
| gtf2b; S300 II; TF IIB; TF2B; TFIIB; | |
| Isotype | Rabbit IgG |
| Host | Rabbit |
| Calculated MW | 34833 Da |

TF2B Antibody - Additional Information

| | |
|------------------------------|--|
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human TF2B |
| Description | General factor that plays a major role in the activation of eukaryotic genes transcribed by RNA polymerase II. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

TF2B Antibody - Protein Information

Name GTF2B

Synonyms TF2B, TFIIB

Function

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: [12931194](http://www.uniprot.org/citations/12931194)), PubMed: [1517211](http://www.uniprot.org/citations/1517211), PubMed: [1876184](http://www.uniprot.org/citations/1876184), PubMed: [1946368](http://www.uniprot.org/citations/1946368), PubMed: [27193682](http://www.uniprot.org/citations/27193682), PubMed: [3029109](http://www.uniprot.org/citations/3029109), PubMed: [3818643](http://www.uniprot.org/citations/3818643), PubMed: [7601352](http://www.uniprot.org/citations/7601352), PubMed: [8413225](http://www.uniprot.org/citations/8413225)),

PubMed:8515820, PubMed:8516311, PubMed:8516312, PubMed:9420329). 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:8413225, PubMed:8504927, PubMed:8515820, PubMed:8516311, PubMed: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). Associates with chromatin to core promoter-specific regions (PubMed:12931194, PubMed: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[TGA][TG][GT][TG][TG]-3', of the TATA box element (PubMed:10619841, PubMed:16230532, PubMed:7675079, PubMed:9420329). Modulates transcription start site selection (PubMed:10318856). Exhibits also autoacetyltransferase activity that contributes to the activated transcription (PubMed:12931194).

Cellular Location

Nucleus. Chromosome. Note=Non-acetylated form colocalizes with DNA in the G0/1, S and G2 phases of the cell cycle, but not during mitosis (PubMed:24441171). Acetylated form colocalizes at transcriptionally silent mitotic chromatids during mitosis at metaphase, anaphase, and telophase phases of the cell cycle (PubMed:24441171).

Tissue Location

Expressed in the inner cell mass forming the embryoblast (PubMed:24441171). Not detected in cells from the outer thin layer trophoblast (at protein level) (PubMed:24441171)

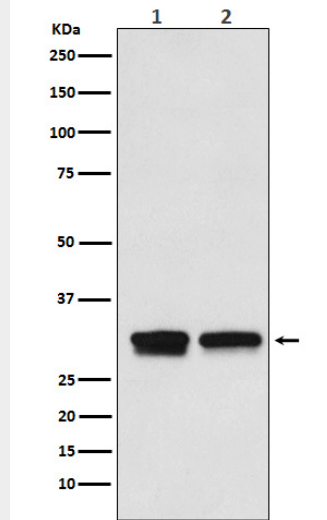
TF2B Antibody - Protocols

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](#)

TF2B Antibody - Images





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