

**TFIID Polyclonal Antibody**  
Catalog # AP72798**Specification**

---

**TFIID Polyclonal Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P20226</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>

**TFIID Polyclonal Antibody - Additional Information****Gene ID** 6908**Other Names**

TBP; GTF2D1; TF2D; TFIID; TATA-box-binding protein; TATA sequence-binding protein; TATA-binding factor; TATA-box factor; Transcription initiation factor TFIID TBP subunit

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**TFIID Polyclonal Antibody - Protein Information****Name** TBP**Synonyms** GTF2D1, TF2D, TFIID {ECO:0000303|PubMed:**Function**

The TFIID basal transcription factor complex plays a major role in the initiation of RNA polymerase II (Pol II)-dependent transcription (PubMed: <a href="http://www.uniprot.org/citations/33795473" target="\_blank">33795473</a>). TFIID recognizes and binds promoters with or without a TATA box via its subunit TBP, a TATA-box-binding protein, and promotes assembly of the pre-initiation complex (PIC) (PubMed: <a href="http://www.uniprot.org/citations/2194289" target="\_blank">2194289</a>, PubMed: <a href="http://www.uniprot.org/citations/2363050" target="\_blank">2363050</a>, PubMed: <a href="http://www.uniprot.org/citations/2374612" target="\_blank">2374612</a>, PubMed: <a href="http://www.uniprot.org/citations/27193682" target="\_blank">27193682</a>, PubMed: <a href="http://www.uniprot.org/citations/33795473" target="\_blank">33795473</a>). The TFIID complex consists of TBP and TBP-associated factors (TAFs), including TAF1, TAF2, TAF3, TAF4, TAF5, TAF6, TAF7, TAF8, TAF9, TAF10, TAF11, TAF12 and TAF13 (PubMed: <a href="http://www.uniprot.org/citations/27007846" target="\_blank">27007846</a>)

target="\_blank">27007846</a>, PubMed:<a href="http://www.uniprot.org/citations/33795473" target="\_blank">33795473</a>). The TFIID complex structure can be divided into 3 modules TFIID-A, TFIID-B, and TFIID-C (PubMed:<a href="http://www.uniprot.org/citations/33795473" target="\_blank">33795473</a>). TBP forms the TFIID-A module together with TAF3 and TAF5 (PubMed:<a href="http://www.uniprot.org/citations/33795473" target="\_blank">33795473</a>). TBP is a general transcription factor that functions at the core of the TFIID complex (PubMed:<a href="http://www.uniprot.org/citations/2194289" target="\_blank">2194289</a>, PubMed:<a href="http://www.uniprot.org/citations/2363050" target="\_blank">2363050</a>, PubMed:<a href="http://www.uniprot.org/citations/2374612" target="\_blank">2374612</a>, PubMed:<a href="http://www.uniprot.org/citations/27193682" target="\_blank">27193682</a>, PubMed:<a href="http://www.uniprot.org/citations/33795473" target="\_blank">33795473</a>, PubMed:<a href="http://www.uniprot.org/citations/9836642" target="\_blank">9836642</a>). During assembly of the core PIC on the promoter, as part of TFIID, TBP binds to and also bends promoter DNA, irrespective of whether the promoter contains a TATA box (PubMed:<a href="http://www.uniprot.org/citations/33795473" target="\_blank">33795473</a>). Component of a BRF2-containing transcription factor complex that regulates transcription mediated by RNA polymerase III (PubMed:<a href="http://www.uniprot.org/citations/26638071" target="\_blank">26638071</a>). Component of the transcription factor SL1/TIF-IB complex, which is involved in the assembly of the PIC during RNA polymerase I-dependent transcription (PubMed:<a href="http://www.uniprot.org/citations/15970593" target="\_blank">15970593</a>). The rate of PIC formation probably is primarily dependent on the rate of association of SL1 with the rDNA promoter (PubMed:<a href="http://www.uniprot.org/citations/15970593" target="\_blank">15970593</a>). SL1 is involved in stabilization of nucleolar transcription factor 1/UBTF on rDNA (PubMed:<a href="http://www.uniprot.org/citations/15970593" target="\_blank">15970593</a>).

#### Cellular Location

Nucleus.

#### Tissue Location

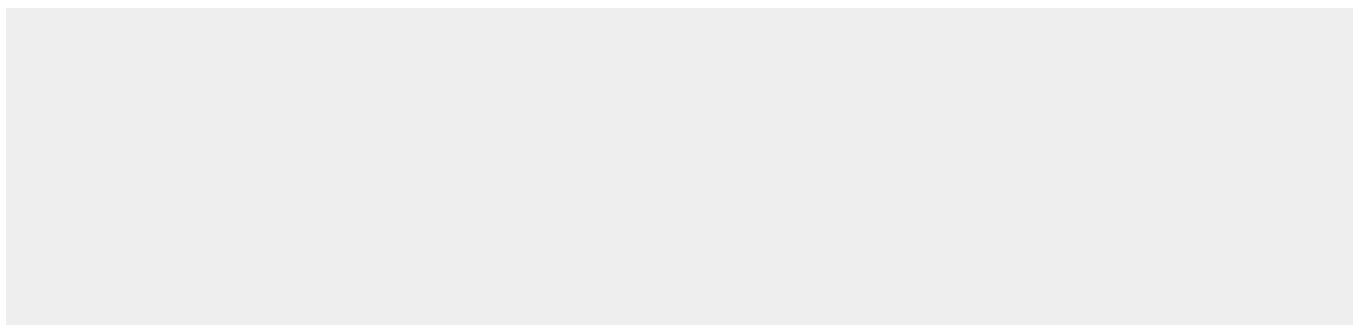
Widely expressed, with levels highest in the testis and ovary.

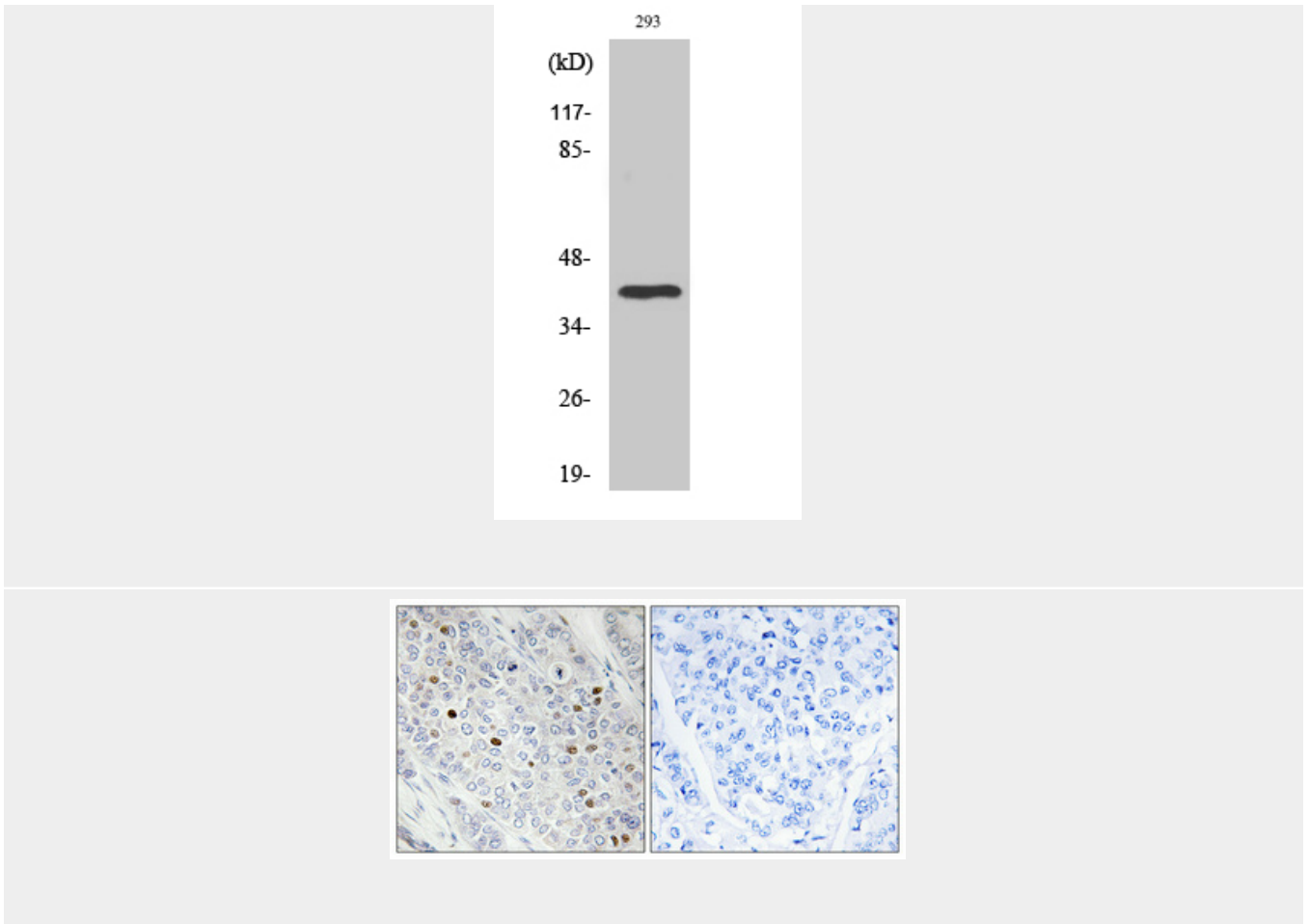
#### TFIID Polyclonal Antibody - Protocols

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](#)

#### TFIID Polyclonal Antibody - Images





### **TFIID Polyclonal Antibody - Background**

General transcription factor that functions at the core of the DNA-binding multiprotein factor TFIID (PubMed:2374612, PubMed:2363050, PubMed:2194289, PubMed:9836642, PubMed:27193682). Binding of TFIID to the TATA box is the initial transcriptional step of the pre-initiation complex (PIC), playing a role in the activation of eukaryotic genes transcribed by RNA polymerase II (PubMed:2374612, PubMed:2363050, PubMed:2194289, PubMed:9836642, PubMed:27193682). Component of a BRF2-containing transcription factor complex that regulates transcription mediated by RNA polymerase III (PubMed:26638071). Component of the transcription factor SL1/TIF-IB complex, which is involved in the assembly of the PIC (pre-initiation complex) during RNA polymerase I-dependent transcription (PubMed:15970593). The rate of PIC formation probably is primarily dependent on the rate of association of SL1 with the rDNA promoter. SL1 is involved in stabilization of nucleolar transcription factor 1/UBTF on rDNA.