

**TATA Box Binding Protein Rabbit mAb**  
Catalog # AP76731**Specification****TATA Box Binding Protein Rabbit mAb - Product Information**

Application	WB, IHC, IF, IP
Primary Accession	<a href="#">P20226</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	37698

**TATA Box Binding Protein Rabbit mAb - Additional Information**

Gene ID 6908

**Other Names**

TBP

**Dilution**

WB~~1/500-1/1000

IHC~~1/50-1/100

IF~~1/50-1/200

IP~~1/20

**Format**

Liquid

**TATA Box Binding Protein Rabbit mAb - 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: [33795473](http://www.uniprot.org/citations/33795473)). 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: [2194289](http://www.uniprot.org/citations/2194289), PubMed: [2363050](http://www.uniprot.org/citations/2363050), PubMed: [2374612](http://www.uniprot.org/citations/2374612), PubMed: [27193682](http://www.uniprot.org/citations/27193682), PubMed: [33795473](http://www.uniprot.org/citations/33795473)). 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: [27007846](http://www.uniprot.org/citations/27007846), PubMed: [33795473](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.

#### **TATA Box Binding Protein Rabbit mAb - 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](#)

#### **TATA Box Binding Protein Rabbit mAb - Images**





