

**Anti-TBP/Tata Binding Protein Tbp Rabbit Monoclonal Antibody**  
Catalog # ABO13241**Specification****Anti-TBP/Tata Binding Protein Tbp Rabbit Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P20226</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-TBP/Tata Binding Protein Tbp Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

**Anti-TBP/Tata Binding Protein Tbp Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 6908

**Other Names**

TATA-box-binding protein, TATA sequence-binding protein, TATA-binding factor, TATA-box factor, Transcription initiation factor TFIID TBP subunit, TBP, GTF2D1, TF2D, TFIID  
{ECO:0000303|PubMed:2374612}

**Calculated MW**

37698 MW KDa

**Application Details**

WB 1:1000-1:2000

**Subcellular Localization**

Nucleus.

**Tissue Specificity**

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

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human TBP

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for**

up to one month. Avoid repeated  
freeze-thaw cycles.

## Anti-TBP/Tata Binding Protein Tbp Rabbit Monoclonal 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>, 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

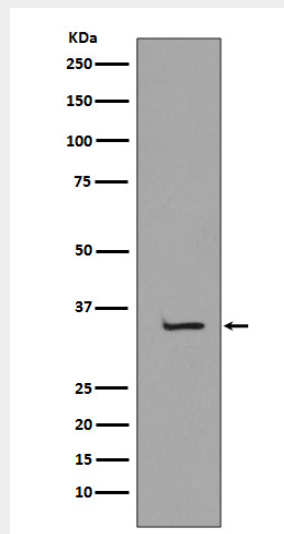
Widely expressed, with levels highest in the testis and ovary.

## Anti-TBP/Tata Binding Protein Tbp Rabbit Monoclonal 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](#)

#### Anti-TBP/Tata Binding Protein Tbp Rabbit Monoclonal Antibody - Images



Western blot analysis of TBP expression in K562 cell lysate.