

TBP

Reactivity: Human

Tested applications: WB IHC IF FC

Recommended Dilution: WB 1:500 - 1:1000 IHC 1:50 - 1:200 IF 1:20 - 1:50 FC 1:20 - 1:50

Calculated MW: 38kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human TBP

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

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Synonym:

TBP;GTF2D;GTF2D1;MGC117320;MGC126054;MGC126055;SCA17;TFIID ;

Catalog #: A1423

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 6908

Isotype: IgG

Swiss Prot: P20226

Purity: Affinity purification

For research use only.

Background:

The TATA binding protein (TBP) is a transcription factor that binds specifically to a DNA sequence TATA box. This DNA sequence is found about 25-30 base pairs upstream of the transcription start site in some eukaryotic gene promoters. TBP, along with a variety of TBP-associated factors, make up the TFIID, a general transcription factor that in turn makes up part of the RNA polymerase II preinitiation complex. As one of the few proteins in the preinitiation complex that binds DNA in a sequence-specific manner, it helps position RNA polymerase II over the transcription start site of the gene. However, it is estimated that only 10-20% of human promoters have TATA boxes. Therefore, TBP is probably not the only protein involved in positioning RNA polymerase II. This protein is not suitable for samples where the nuclear envelope has been removed.

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