

Anti-TATA binding protein TBP Antibody Picoband®

Catalog Number: PA1534

About TBP

TBP, TATA-binding protein, is a general transcription factor that binds specifically to a DNA sequence called the TATA box. The TBP gene is mapped to 6q27. This DNA sequence is found about 35 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.

Overview

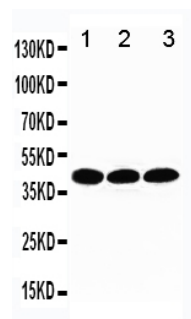
Product Name	Anti-TATA binding protein TBP Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TATA binding protein TBP Antibody catalog # PA1534. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P20226

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human TBP, identical to the related rat and mouse sequences.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.

Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

Anti-TATA binding protein TBP Antibody Picoband® (PA1534) Images



Anti-TBP antibody, PA1534, Western blotting
Lane 1: MCF-7 Cell Lysate
Lane 2: MM231 Cell Lysate
Lane 3: MM231 Cell Lysate

2 Publications Citing This Product

1. PubMed ID: 10.1074/jbc.RA119.011350, Cell-free transcription in Xenopus egg extract
2. PubMed ID: 33660782, Barrows JK, Fullbright G, Long DT. BRCA1-BARD1 regulates transcription through BRD4 in Xenopus nucleoplasmic extract. Nucleic Acids Res. 2021 Feb 28;gkab111. doi: 10.1093/nar/gkab111. Epub ahead of print. PMID:33660782.

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