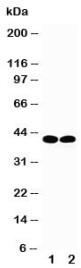
TBP Antibody TATA Binding Protein (R30610)

Catalog No.	Formulation	Size
R30610	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P20226
Applications	Western Blot : 0.5-1ug/ml
Limitations	This TBP antibody is available for research use only.



Western blot testing of TBP antibody and Lane 1: MCF-7; 2: MM231. Routinely observed molecular weight: 35-43 kDa.

Description

TATA-binding protein is a general transcription factor that binds specifically to a DNA sequence called the TATA box. The 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 only one of the proteins involved in positioning RNA polymerase II.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the TBP antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human TATA binding protein (EEQSRLAARKYARVVQKLGF) was used as the immunogen for this TBP antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the TBP antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.