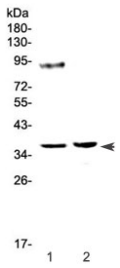
Tbp Antibody (RQ4014)

Catalog No.	Formulation	Size
RQ4014	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P29037
Applications	Western Blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Tbp antibody is available for research use only.



Western blot testing of 1) rat testis and 2) rat ovary tissue lysate with Tbp antibody at 0.5ug/ml. Predicted molecular weight ~38 kDa.

Description

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.

Application Notes

Optimal dilution of the Tbp antibody should be determined by the researcher.

Immunogen

A recombinant mouse partial protein corresponding to amino acids L38-A107 was used as the immunogen for the Tbp antibody.

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.

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