

For Research Use Only

# CoraLite®647-conjugated TBP Monoclonal antibody



Catalog Number:CL650-66166

## Basic Information

<b>Catalog Number:</b> CL650-66166	<b>GenBank Accession Number:</b> BC110341	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 6908	<b>CloneNo.:</b> 2H3B2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P20226	<b>Excitation/Emission maxima wavelengths:</b> 654 nm / 674 nm
<b>Isotype:</b> IgG2a	<b>Full Name:</b> TATA box binding protein	
<b>Immunogen Catalog Number:</b> AG12383	<b>Calculated MW:</b> 338 aa, 38 kDa	
	<b>Observed MW:</b> mouse/rat 33-36 kDa and human 37- 43kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human, mouse, rat, pig

## Background Information

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 antibody detects human TBP (~40 kDa) and mouse/rat Tbp (~35 kDa).

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light.

**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

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## Selected Validation Data