

Product overview

product name	Anti TBP Polyclonal Antibody
catalog No.	ATPA10152Rb
Category	Primary antibody
Host	Rabbit
Species specificity	Human,Predict react with Rat,Mouse
Tested applications	WB
Clonality	Polyclonal
Clone No.	/
Conjugation	Unconjugated
Immunogen	Synthesis peptide from N-terminal.
Alternative Names	TATA-box-binding protein,TATA sequence-binding protein,TATA-binding factor, TATA-box factor,Transcription initiation factor TFIID TBP subunit.
Uniprot ID	P20226

Product performance

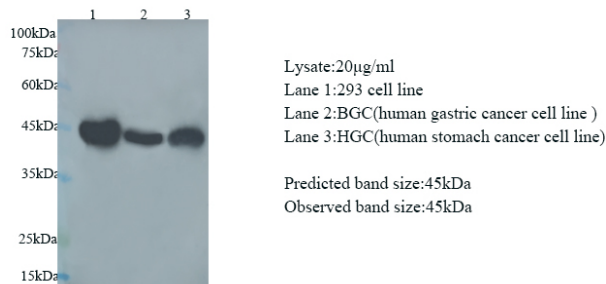
Form	Liquid
Buffer	Supplied as solution form in PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 4 °C for frequent use. Store at -20 to -80 °C for twelve months from the date of receipt.
Concentration	0.5mg/ml
Isotype	IgG
MW	33-43kDa
Purity	Antigen affinity purification

Dilution range

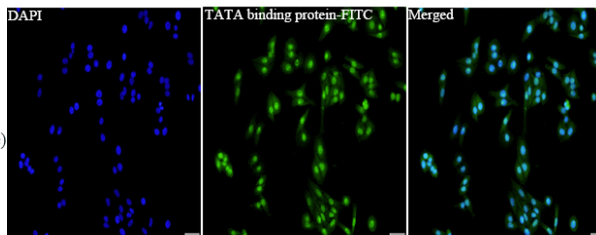
WB: 1:1000-1:4000

Product experiment picture

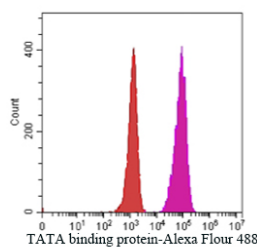




Various lysates were subjected to SDS PAGE followed by western blot with TATA binding protein antibody at dilution of 1:1000.



Immunofluorescent analysis of HepG2 cells using TATA binding protein antibody at dilution of 1:100 and Alexa Fluor-488 conjugated Affinipure Goat anti rabbit IgG(H+L).



1 × 10⁶ THP-1 cells were stained with 1:100 TATA binding protein antibody (purple) and control antibody (red). Fixed with 4% PFA blocked with BSA (30min). Alexa Fluor 488-conjugated AffiniPure Goat anti-rabbit IgG(H+L) with dilution 1:100.

Product 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.