ATAGENIX LABORATORIES

Catalog Number:ATPA10152Rb

Anti TBP Polyclonal Antibody

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	Sythesis 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% NaN3, 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

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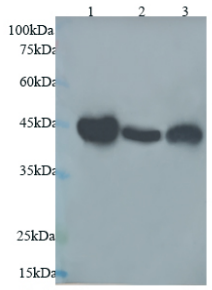
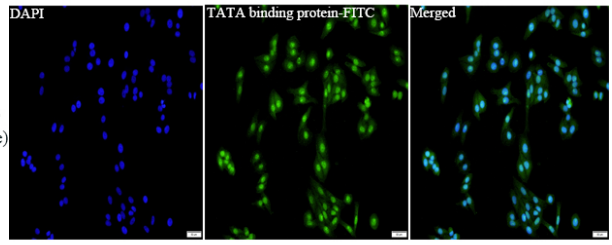


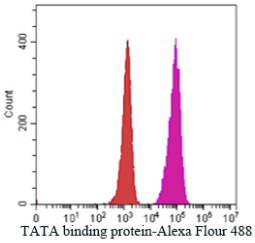
Lysate:20μg/ml
Lane 1:293 cell line
Lane 2:BGC(human gastric cancer cell line)
Lane 3:HGC(human stomach cancer cell line)

Predicted band size:45kDa
Observed band size:45kDa

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).



1×10^6 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 preinitation complex that binds DNA in a sequence-specific manner, it helps position RNA polymerase II over the transcription start site of the gene.