

For Research Use Only

TBP Polyclonal antibody

Catalog Number: 22246-1-AP **2 Publications**



Basic Information

Catalog Number: 22246-1-AP	GenBank Accession Number: BC110341	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6908	Recommended Dilutions: WB 1:500-1:2000 IF/ICC 1:20-1:200
Source: Rabbit	UNIPROT ID: P20226	
Isotype: IgG	Full Name: TATA box binding protein	
Immunogen Catalog Number: AG17740	Calculated MW: 338 aa, 38 kDa	
	Observed MW: mouse/rat 33-36 kDa and human 37-43kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : Jurkat cells, COLO 320 cells, HeLa cells, mouse colon tissue, SKOV-3 cells IF/ICC : MCF-7 cells,
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human, mouse	

Background Information

TBP, TATA box-binding protein, is a DNA-binding subunit of TFIID, which is a multisubunit complex essential for the expression of most protein-encoding genes. The well-conserved C-terminal domains of 180 aa is both necessary and sufficient for interaction with DNA and for assembly of the basal transcription apparatus. The N terminus of TBP modulates the DNA-binding activity of the C terminus of the protein. Once binds to the TATA box mediated by TBP, TFIID initiate the transcription step of the pre-initiation complex (PIC), playing a role in the activation of eukaryotic genes transcribed by RNA polymerase II. This is a rabbit polyclonal antibody raised against part of N-terminal chain of human TBP, and specially recognize a ~46 kDa band.

Notable Publications

Author	Pubmed ID	Journal	Application
Qingye Li	27748821	Mol Med Rep	WB
Hiroyuki Minemura	33713004	Breast Cancer	WB

Storage

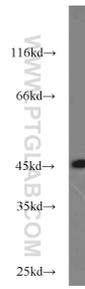
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

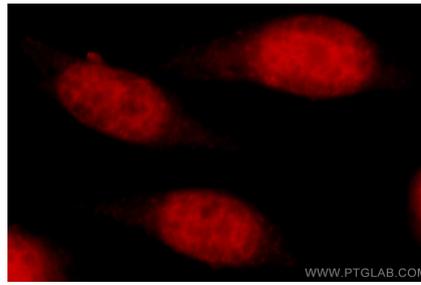
For technical support and original validation data for this product please contact:
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Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 22246-1-AP (TBP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of MCF-7 cells, using TBP antibody 22246-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).