

TBP Polyclonal antibody

Catalog Number: 22246-1-AP

2 Publications

Basic Information

Catalog Number:

22246-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17740

GenBank Accession Number:

BC110341

GeneID (NCBI):

6908

UNIPROT ID:

P20226

Full Name:

TATA box binding protein

Calculated MW:

338 aa, 38 kDa

Observed MW:

mouse/rat 33-36 kDa and human 37-43 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IF/ICC 1:20-1:200

Applications

Tested Applications:

IF/ICC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB: Jurkat cells, COLO 320 cells, HeLa cells, mouse colon tissue, SKOV-3 cells

IF/ICC: MCF-7 cells,

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

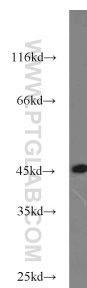
For technical support and original validation data for this product please contact:

T: 4006900926

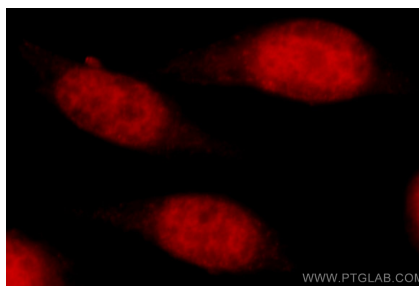
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Selected Validation Data



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).