

For Research Use Only

TBP Recombinant monoclonal antibody

Catalog Number: 87550-1-RR



Basic Information

Catalog Number: 87550-1-RR	GenBank Accession Number: BC110341	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 6908	CloneNo.: 252942E3
Isotype: IgG	UNIPROT ID: P20226	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:500-1:2000
Immunogen Catalog Number: AG12383	Full Name: TATA box binding protein	
	Calculated MW: 338 aa, 38 kDa	
	Observed MW: 37-45 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : HEK-293 cells, HeLa cells, PC-3 cells, A2780 cells, COLO 320 cells
	IF/ICC : HepG2 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.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

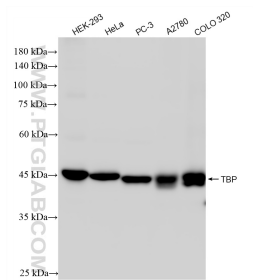
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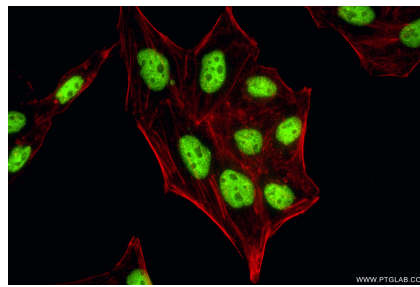
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87550-1-RR (TBP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TBP antibody (87550-1-RR, Clone: 252942E3) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).