9853 Pacific Heights Blvd.
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10-6596: Mouse Monoclonal Antibody to TBP (Clone: 830CT4.3.3)(Discontinued)

Clonality :	Monoclonal
Clone Name :	830CT4.3.3
Application :	WB
Reactivity :	Cynomolgus Monkey,Rat,Mouse,Human
Gene :	TBP
Gene ID :	6908
Uniprot ID :	P20226
Format :	Purified
Alternative Name :	TATA-box-binding protein, TATA sequence-binding protein, TATA-binding factor, TATA-box factor, Transcription initiation factor TFIID TBP subunit, TBP, GTF2D1, TF2D, TFIID
Isotype :	Mouse IgG1
Immunogen Information :	Recombinant Protein

Description

General transcription factor that functions at the core of the DNA-binding multiprotein factor TFIID. Binding of TFIID to the TATA box is the initial transcriptional step of the pre-initiation complex (PIC), playing a role in the activation of eukaryotic genes transcribed by RNA polymerase II. Component of the transcription factor SL1/TIF-IB complex, which is involved in the assembly of the PIC (preinitiation complex) during RNA polymerase I-dependent transcription. The rate of PIC formation probably is primarily dependent on the rate of association of SL1 with the rDNA promoter. SL1 is involved in stabilization of nucleolar transcription factor 1/UBTF on rDNA.

Product Info

Amount :	80 µl / 400 µl
Purification :	Protein G Chromatography
Content :	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage condition :	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term store at -20°C in small aliquots to prevent freeze-thaw cycles.

Application Note

IHC-P~1:25|| WB~1:2000

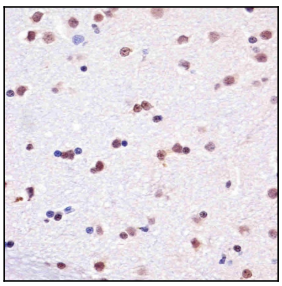

Figure 1: Staining of TBP antibody (10-6596) in Monkey. brain tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

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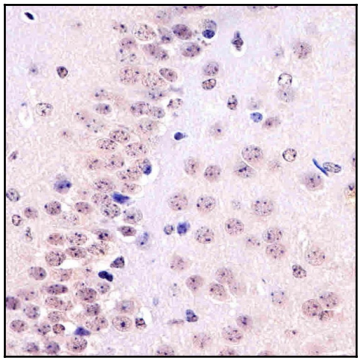

Figure 2: Staining of TBP antibody (10-6596) in mouse brain tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

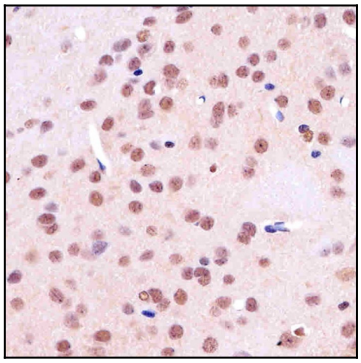

Figure 3: Staining of TBP antibody (10-6596) in Rat brain tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

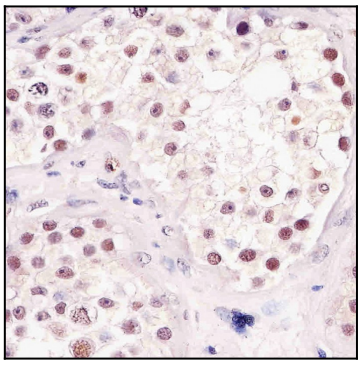

Figure 4: Staining of TBP antibody (10-6596) in human testis tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

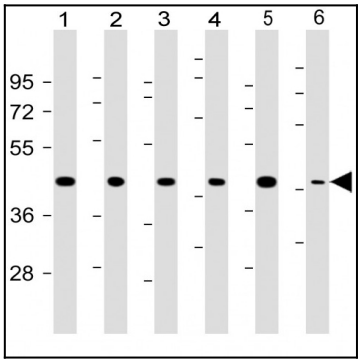

Figure 5: All lanes : Anti-TBP Antibody at 1:2000 dilution with Lane 1: 293 whole cell lysate, Lane 2: Hela whole cell lysate, Lane 3: MDA-MB-231 whole cell lysate, Lane 4: H-4-II-E whole cell lysate, Lane 5: HCT116 whole cell lysate, Lane 6: C2C12 whole cell lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 38 kDa.

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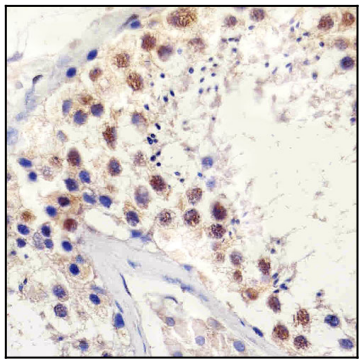

Figure 6 : Immunohistochemical analysis of paraffin-embedded h testis section using TBP Antibody (10-6596).TBP Antibody was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

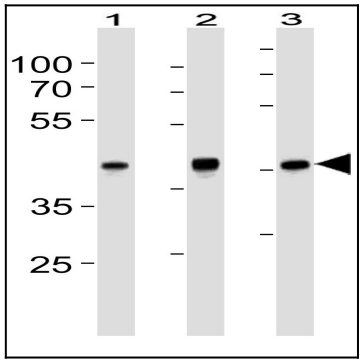

Figure 7: Western blot analysis of TBP Antibody (10-6596) with Lane 1: Hela, Lane 2: HepG2, Lane 3: mouse NIH/3T3 cell line lysates (35 µg/lane). This demonstrates the TBP antibody detected the TBP protein.