

TBP Monoclonal Antibody (1TBP18)

Product Details	
Size	100 µg
Species	Human, Mouse, Rat
Published Species	Human
Expression System	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	1TBP18
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to the N-terminal residues 1-20 of human, mouse, and rat TBP.
Form	Liquid
Concentration	0.77 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	no preservative
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2199928

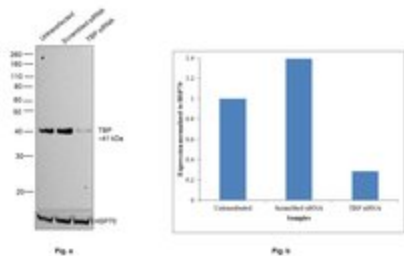
Applications	Tested Dilution	Publications
Gel Shift (GS)	Assay dependent	-
Immunocytochemistry (ICC)	1:100	-
Immunofluorescence (IF)	1:100	-
Immunoprecipitation (IP)	Assay dependent	-
Western Blot (WB)	2 µg/mL	4 Publications

Product Specific Information

This antibody does not cross-react with *Drosophila melanogaster*, *S. cerevisiae*, silk worm, or *Xenopus laevis*.
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

TBP Antibody (MA1-21516)

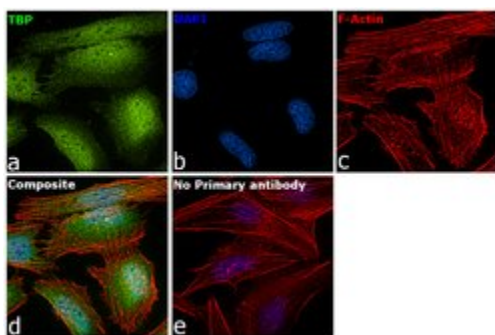
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with TBP siRNA and decrease in signal intensity was observed in Western Blot application using Anti-TBP Monoclonal Antibody (1TBP18) (Product # MA1-21516). Knockdown validation info.



Product Images For TBP Monoclonal Antibody (1TBP18)

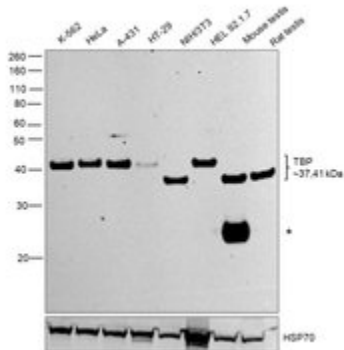
TBP Antibody (MA1-21516) in ICC

Immunofluorescence analysis of TBP was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with TBP Monoclonal Antibody (1TBP18) (Product # MA1-21516) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32766), (1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300 dilution). Panel d represents the merged image showing predominant nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



TBP Antibody (MA1-21516) in WB

Western blot was performed using Anti-TBP Monoclonal Antibody (1TBP18) (Product # MA1-21516) and a 41kDa band corresponding to TBP was observed across all cell lines tested, except NIH/3T3 and mouse and rat testes tissues where a 37kDa band was observed. A ~25kDa band (*) corresponding to IgG was observed in mouse testis sample. Nuclear enriched extracts (30 µg lysate) of K-562 (Lane 1), HeLa (Lane 2), A-431 (Lane 3), HT-29 (Lane 4), NIH/3T3 (Lane 5), HEL 92.1.7 (Lane 6), Mouse Testis (Lane 7), Rat Testis (Lane 8) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0302BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (2 µg/mL concentration) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076).



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Western Blot (4)

eLife

Chromatin accessibility underlies synthetic lethality of SWI/SNF subunits in ARID1A-mutant cancers.

"Published figure using TBP monoclonal antibody (Product # MA1-21516) in Western Blot"

Authors: Kelso TWR,Porter DK,Amaral ML,Shokhirev MN,Benner C,Hargreaves DC

Species
Not Applicable

Dilution
Not Cited

Year
2017

British journal of cancer

Loss of Runx2 sensitises osteosarcoma to chemotherapy-induced apoptosis.

"MA1-21516 was used in western blot to determine the sensitization of osteosarcoma to chemotherapy-induced apoptosis by a loss of Runx2"

Authors: Roos A,Satterfield L,Zhao S,Fuja D,Shuck R,Hicks MJ,Donehower LA,Yustein JT

Species
Not Applicable

Dilution
Not Cited

Year
2015

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