

À des fins de recherche uniquement

Anticorps Monoclonal anti-TBP

Numéro de catalogue: 66166-1-Ig **21 Publications**



Informations de base

Numéro de catalogue: 66166-1-Ig	Numéro d'acquisition GenBank: BC110341	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 2000 µg/ml by Nanodrop;	Identification du gène (NCBI): 6908	CloneNo.: 2H3B2
Hôte: Mouse	Nom complet: TATA box binding protein	Dilutions recommandées: WB 1:20000-1:100000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Isotype: IgG2a	MW calculé: 338 aa, 38 kDa	IHC 1:325-1:1300 IF 1:200-1:800
Immunogen Catalog Number: AG12383	MW observés: mouse/rat 33-36 kDa and human 37-43kDa	

Applications

Applications testées:
FC, IF, IHC, IP, WB, ELISA

Demandes citées:
IF, WB

Spécificité de l'espèce:
Humain, porc, rat, souris

Espèces citées:
Humain, porc, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules LNCaP, cellules HEK-293, cellules HeLa, cellules HepG2, cellules HSC-T6, cellules Jurkat, cellules K-562, cellules Neuro-2a, cellules NIH/3T3, tissu hépatique de porc

IP : cellules HEK-293,

IHC : tissu de cancer du foie humain, tissu de cancer du sein humain

IF : cellules A431, cellules HeLa

Informations générales

The TATA binding protein (TBP) is a transcription factor that binds specifically to a DNA sequence TATA box. This DNA sequence is found about 25-30 base pairs upstream of the transcription start site in some eukaryotic gene promoters. TBP, along with a variety of TBP-associated factors, make up the TFIID, a general transcription factor that in turn makes up part of the RNA polymerase II preinitiation complex. As one of the few proteins in the preinitiation complex that binds DNA in a sequence-specific manner, it helps position RNA polymerase II over the transcription start site of the gene. However, it is estimated that only 10-20% of human promoters have TATA boxes. Therefore, TBP is probably not the only protein involved in positioning RNA polymerase II. This antibody detects human TBP (~40 kDa) and mouse/rat Tbp (~35 kDa).

Publications notables

Autrice	Pubmed ID	Journal	Application
Alexander K Kunisky	34644577	Cell Rep	WB
Jing Lu	36436207	Psychiatry Clin Neurosci	WB
Yu Chen	31770366	PLoS Biol	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

***** Les 20ul contiennent 0,1% de BSA.**

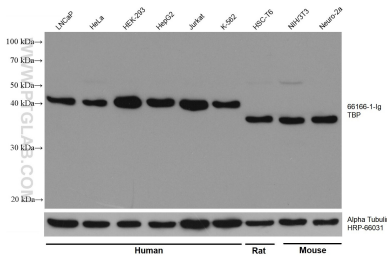
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

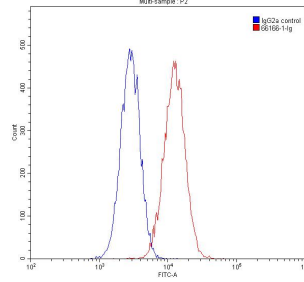
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

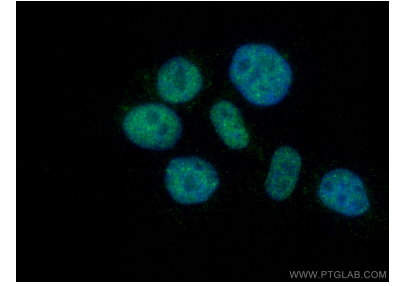
Données de validation sélectionnées



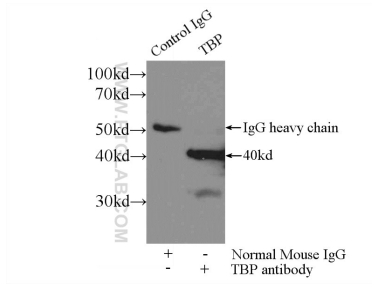
Various lysates were subjected to SDS PAGE followed by western blot with 66166-1-Ig (TBP antibody) at dilution of 1:200000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



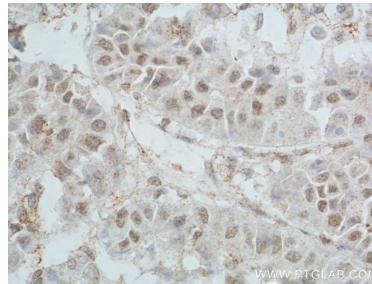
1X10⁶ HepG2 cells were stained with 0.20ug TBP antibody (66166-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH.



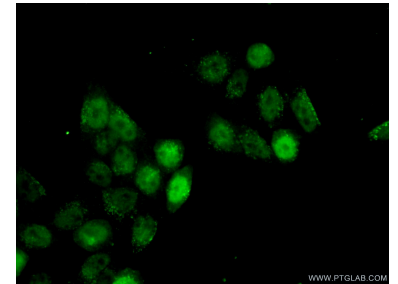
Immunofluorescent analysis of (4% PFA) fixed A431 cells using TBP antibody (66166-1-Ig, Clone: 2H3B2) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



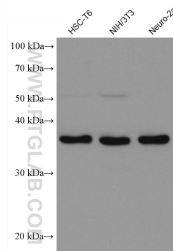
IP Result of anti-TBP (IP:66166-1-Ig, 3ug; Detection:66166-1-Ig 1:800) with HEK-293 cells lysate 1800ug.



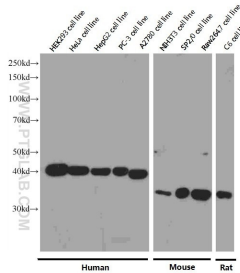
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66166-1-Ig (TBP Antibody) at dilution of 1:650 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 66166-1-Ig(TBP antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 66166-1-Ig (TBP antibody) at dilution of 1:200000 incubated at room temperature for 1.5 hours.



Western blot analysis of TBP in various cell lines using Proteintech antibody 66166-1-Ig at a dilution of 1:8000 incubated at room temperature for 1.5 hours.