

For Research Use Only

# TMF1 Monoclonal antibody

Catalog Number: 67505-1-Ig **Featured Product**



## Basic Information

<b>Catalog Number:</b> 67505-1-Ig	<b>GenBank Accession Number:</b> BC126123	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2000 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 7110	<b>CloneNo.:</b> 3G12F2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P82094	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:250-1:1000 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG1	<b>Full Name:</b> TATA element modulatory factor 1	
<b>Immunogen Catalog Number:</b> AG17666	<b>Calculated MW:</b> 1093 aa, 123 kDa	
	<b>Observed MW:</b> 150-160 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> LNCaP cells, HeLa cells, HepG2 cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> mouse brain tissue, mouse kidney tissue, rat brain tissue
	<b>IF/ICC :</b> HepG2 cells, A431 cells

## Background Information

TMF1, also named as ARA160, is a potential coactivator of the androgen receptor. TMF1 mediates STAT3 degradation. TMF1 plays critical roles in two RAB6-dependent retrograde transport processes: one from endosomes to the Golgi and the other from the Golgi to the ER. TMF1 binds the HIV-1 TATA element and inhibits transcriptional activation by the TATA-binding protein (TBP). The antibody is specific to TMF1. TMF1 can be detected as 150-160 kDa after posttranslational modification.

## Storage

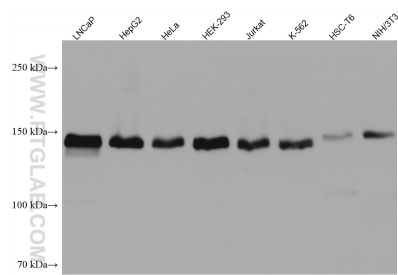
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

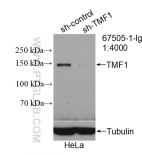
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

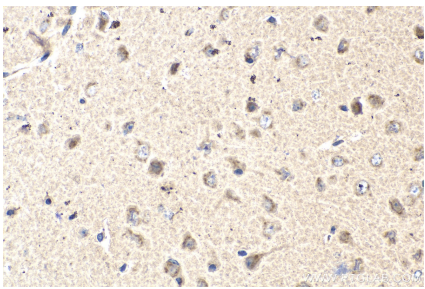
## Selected Validation Data



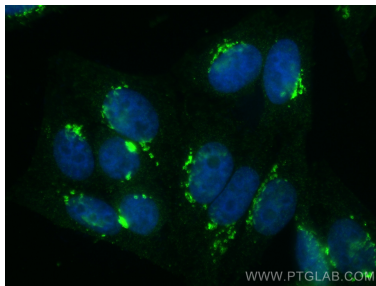
Various lysates were subjected to SDS PAGE followed by western blot with 67505-1-Ig (TMF1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of TMF1 antibody (67505-1-Ig: 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TMF1 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67505-1-Ig (TMF1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TMF1 antibody (67505-1-Ig, Clone: 3G12F2) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).