

For Research Use Only

# TELO2 Monoclonal antibody

Catalog Number: 66077-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 66077-1-Ig	<b>GenBank Accession Number:</b> BC017188	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul, Concentration: 3800 ug/ml by Nanodrop and 1680 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 9894	<b>CloneNo.:</b> 3H10F4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9Y4R8	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200 IF/ICC 1:10-1:100
<b>Isotype:</b> IgG1	<b>Full Name:</b> TEL2, telomere maintenance 2, homolog (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG8834	<b>Calculated MW:</b> 837 aa, 92 kDa	
	<b>Observed MW:</b> 92 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, IP, ELISA	<b>Positive Controls:</b> WB : Y79 cells, L02 cells, A431 cells, HeLa cells, HEK-293 cells, MCF-7 cells, Jurkat cells, HSC-T6 cells IP : HepG2 cells, IHC : human kidney tissue, human liver cancer tissue IF/ICC : HepG2 cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, rat	
<b>Cited Species:</b> human	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

TELO2 gene encodes a telomere length regulation protein TEL2 homolog. TELO2 may be involved in telomere length regulation and can form TTT complex with TTI1 and TTI2. TTT complex is required to stabilize protein levels of PIKK family proteins and is involved in the cellular resistance to DNA damage stresses, like ionizing radiation (IR), and ultraviolet (UV). The activity of mTORC1 and mTORC2 complexes, which regulate cell growth and survival in response to nutrient and hormonal signals, can be promoted, stabilized and maintained by TELO2.

## Notable Publications

Author	Pubmed ID	Journal	Application
Feng Rao	24657168	Mol Cell	WB

## Storage

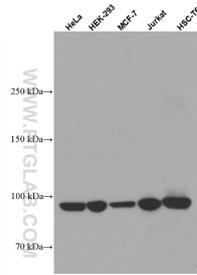
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

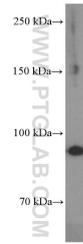
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

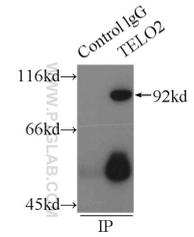
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66077-1-Ig (TELO2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



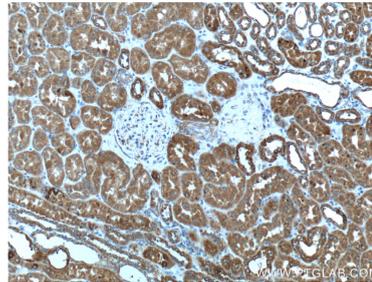
Y79 cells were subjected to SDS PAGE followed by western blot with 66077-1-Ig (TELO2 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



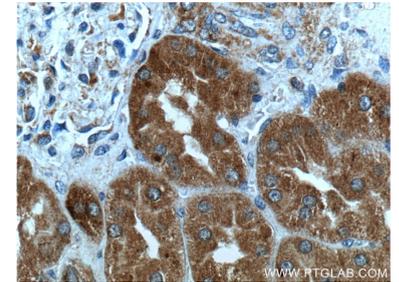
IP result of anti-TELO2 (IP:66077-1-Ig, 4ug; Detection:66077-1-Ig 1:500) with HepG2 cells lysate 2900ug.



Immunofluorescent analysis of ( ) fixed HepG2 cells using 66077-1-Ig (TELO2 antibody) at dilution of 1:25.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66077-1-Ig (TELO2 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66077-1-Ig (TELO2 Antibody) at dilution of 1:200 (under 40x lens).