

For Research Use Only

# TERF1 Monoclonal antibody

Catalog Number: 67592-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 67592-1-Ig	<b>GenBank Accession Number:</b> BC029378	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1700 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 7013	<b>CloneNo.:</b> 1D10G4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P54274	<b>Recommended Dilutions:</b> WB 1:1000-1:6000
<b>Isotype:</b> IgG1	<b>Full Name:</b> telomeric repeat binding factor (NIMA-interacting) 1	
<b>Immunogen Catalog Number:</b> AG12540	<b>Calculated MW:</b> 439 aa, 50 kDa	
	<b>Observed MW:</b> 48-50 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : K-562 cells, HEK-293 cells, Jurkat cells
<b>Cited Applications:</b> WB, IP, ChIP	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	

## Background Information

Telomeres are nucleoprotein complexes located at chromosome ends that consist of tandem arrays of TTAGGG repeats bound to specific proteins. Telomeres protect chromosome ends from degradation and end-to-end fusions, prevent activation of DNA damage checkpoints, and modulate the maintenance of telomeric DNA by telomerase. TERF1 (telomeric repeat-binding factor 1) binds the telomeric double-stranded TTAGGG repeat and negatively regulates telomere length. It's one component of the shelterin complex, which involved in the regulation of telomere length and protection.

## Notable Publications

Author	Pubmed ID	Journal	Application
Athanasios Siametis	38744897	Nat Commun	WB,IP,ChIP

## Storage

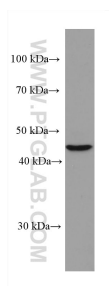
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 67592-1-Ig (TERF1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.