

For Research Use Only

# TERF1 Polyclonal antibody

Catalog Number: 11899-1-AP

5 Publications



## Basic Information

### Catalog Number:

11899-1-AP

### Size:

150ul, Concentration: 750 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2491

### GenBank Accession Number:

BC029378

### GeneID (NCBI):

7013

### UNIPROT ID:

P54274

### Full Name:

telomeric repeat binding factor (NIMA-interacting) 1

### Calculated MW:

439 aa, 50 kDa

### Observed MW:

50 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : HEK-293 cells,

IP : HEK-293 cells,

IHC : human gliomas tissue, human ovary tissue, human placenta tissue, human kidney tissue, human spleen tissue, human brain tissue, human heart tissue, human testis tissue, human lung tissue

**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

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
Bo Chen	34491997	PLoS Genet	IF
Lingling Huang	39083672	J Proteome Res	WB
Pei Li	38331339	Eur J Pharmacol	IHC

## 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

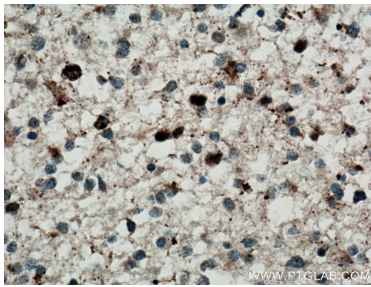
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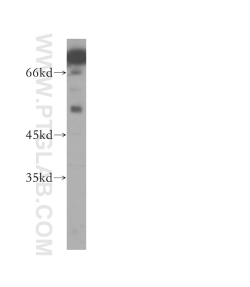
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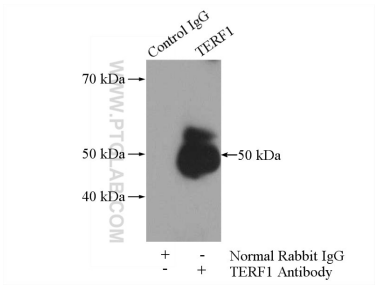
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 11899-1-AP (TERF1 antibody) at dilution of 1:100 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HEK-293 cells were subjected to SDS PAGE followed by western blot with 11899-1-AP (TERF1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP result of anti-TERF1 (IP:11899-1-AP, 4ug; Detection:11899-1-AP 1:300) with HEK-293 cells lysate 2000ug.