

For Research Use Only

# TERF1 Polyclonal antibody

Catalog Number: 11899-1-AP **7 Publications**



## Basic Information

**Catalog Number:**

11899-1-AP

**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, IHC, IP, ELISA

**Cited Applications:**

WB, IF

**Species Specificity:**

human

**Cited Species:**

human, mouse

**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
Tingting Hou	40840832	Environ Pollut	WB
Xiaohan Xu	40507886	Int J Mol Sci	

## 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

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

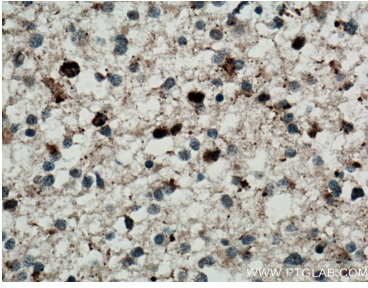
T: 4006900926

E: Proteintech-CN@ptglab.com

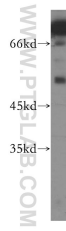
W: ptgcn.com

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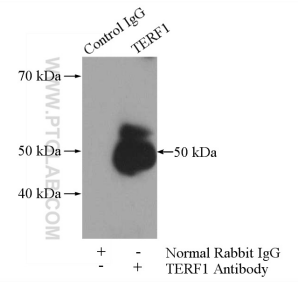
## Selected Validation Data



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.