

For Research Use Only

TERF1 Polyclonal antibody

Catalog Number: 11899-1-AP

6 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
Meilin Sun	39353831	Neurotherapeutics	
Lingling Huang	39083672	J Proteome Res	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

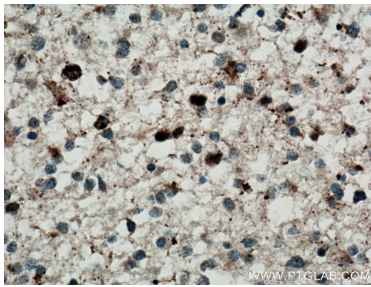
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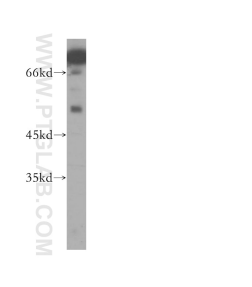
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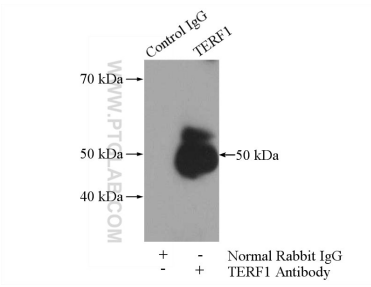
Selected Validation Data



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.