

For Research Use Only

TERF1 Polyclonal antibody

Catalog Number: 11899-1-AP **3 Publications**



Basic Information

Catalog Number: 11899-1-AP	GenBank Accession Number: BC029378	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 750 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7013	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
Source: Rabbit	Full Name: telomeric repeat binding factor (NIMA-interacting) 1	
Isotype: IgG	Calculated MW: 439 aa, 50 kDa	
Immunogen Catalog Number: AG2491	Observed MW: 50 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	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
Cited Applications: IF, WB	
Species Specificity: human	
Cited Species: human, mouse	

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
Hongmiao Hu	37624885	Sci Adv	WB
Fan Zhang	37211949	CNS Neurosci Ther	WB

Storage

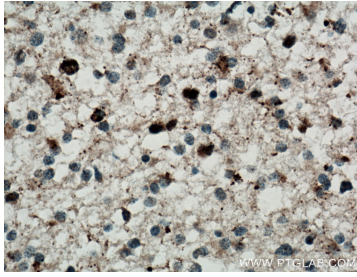
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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

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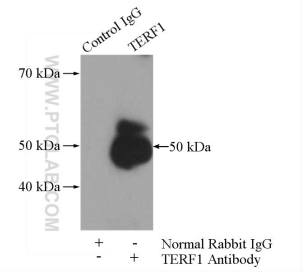
Selected Validation Data



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.