

For Research Use Only

TERF2IP Polyclonal antibody

Catalog Number: 14595-1-AP **2 Publications**



Basic Information

Catalog Number: 14595-1-AP	GenBank Accession Number: BC005841	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 187 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 54386	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: telomeric repeat binding factor 2, interacting protein	IHC 1:20-1:200
Isotype: IgG	Calculated MW: 44 kDa	IF 1:10-1:100
Immunogen Catalog Number: AG6130	Observed MW: 60 kDa	

Applications

Tested Applications: FC, IF, IHC, IP, WB, ELISA	Positive Controls: WB : HEK-293 cells, A431 cells, HeLa cells, HT-1080 cells, human placenta tissue, K-562 cells
Cited Applications: WB	IP : HeLa cells,
Species Specificity: human	IHC : human tonsillitis tissue,
Cited Species: human	IF : HeLa cells,

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

TERF2IP, also named as DRIP5, RAP1, is a 399 amino acid protein, which belongs to the RAP1 family. TERF2IP associates with chromosomes, both at telomeres and in extratelomeric sites. TERF2IP acts both as a regulator of telomere function and as a transcription regulator. TERF2IP is involved in the regulation of telomere length and protection as a component of the shelterin complex (telosome). In contrast to other components of the shelterin complex, it is dispensible for telomere capping and does not participate in the protection of telomeres against non-homologous end-joining (NHEJ)-mediated repair. The calculated molecular weight of TERF2IP is 44 kDa, but modified TERF2IP, is about 60 kDa. (PMID: 15838871)

Notable Publications

Author	Pubmed ID	Journal	Application
Yuanlong Ge	27220467	Nucleic Acids Res	WB
Radhika Koranne	35167828	Exp Cell Res	WB

Storage

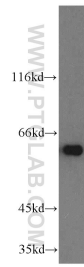
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

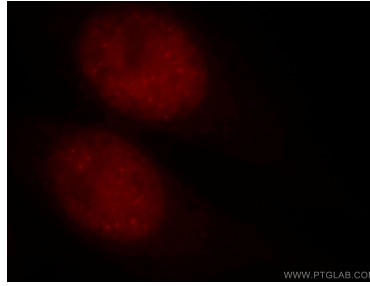
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

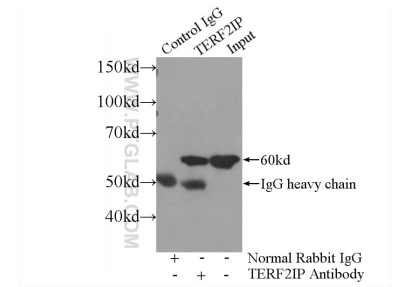
Selected Validation Data



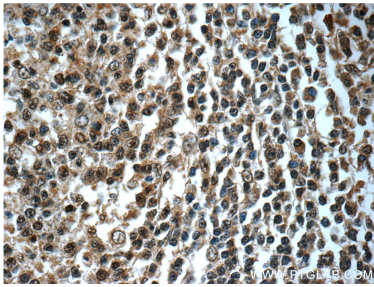
HEK-293 cells were subjected to SDS PAGE followed by western blot with 14595-1-AP (TERF2IP antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



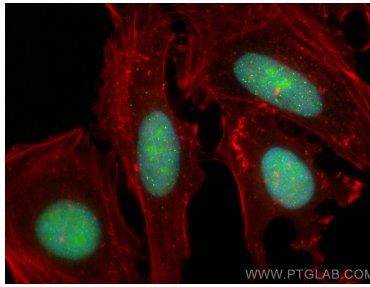
Immunofluorescent analysis of HeLa cells, using TERF2IP antibody 14595-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



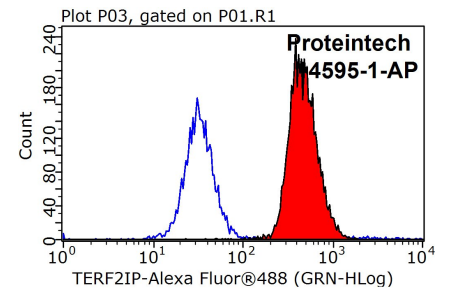
IP Result of anti-TERF2IP (IP:14595-1-AP, 3ug; Detection:14595-1-AP 1:800) with HeLa cells lysate 2720ug.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 14595-1-AP (TERF2IP Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using TERF2IP antibody (14595-1-AP) at dilution of 1:200 and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).



1X10⁶ HeLa cells were stained with 0.2ug TERF2IP antibody (14595-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.