

For Research Use Only

TERF2IP Polyclonal antibody

Catalog Number: 14595-1-AP **3 Publications**



Basic Information

Catalog Number: 14595-1-AP	GenBank Accession Number: BC005841	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 300 ug/ml by Nanodrop and 187 ug/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 1.0-3.0 mg of total protein lysate IHC 1:1000-1:4000 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9NYB0	
Isotype: IgG	Full Name: telomeric repeat binding factor 2, interacting protein	
Immunogen Catalog Number: AG6130	Calculated MW: 44 kDa	
	Observed MW: 60 kDa	

Applications

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

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
Huixia Huang	38419085	J Transl Med	IHC

Storage

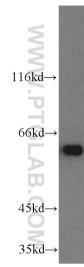
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

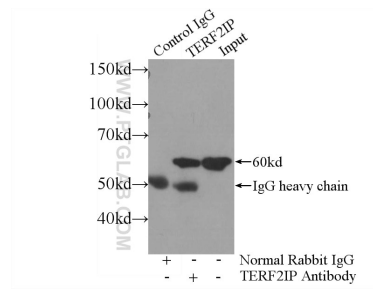
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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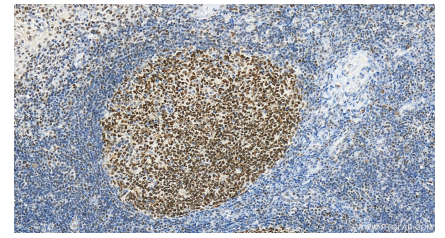
Selected Validation Data



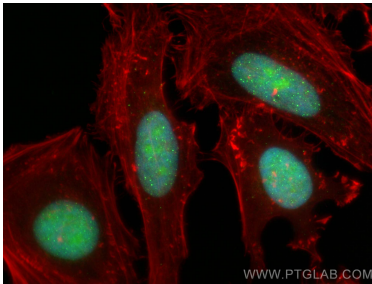
HEK-293 cells were subjected to SDS PAGE followed by western blot with 14595-1-AP (TERF2IP antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



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 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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