

For Research Use Only

# TERF2IP Polyclonal antibody, PBS Only

Catalog Number:14595-1-PBS



## Basic Information

<b>Catalog Number:</b> 14595-1-PBS	<b>GenBank Accession Number:</b> BC005841	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54386	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NYB0	
<b>Isotype:</b> IgG	<b>Full Name:</b> telomeric repeat binding factor 2, interacting protein	
<b>Immunogen Catalog Number:</b> AG6130	<b>Calculated MW:</b> 44 kDa	
	<b>Observed MW:</b> 60 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, IP, Indirect ELISA

**Species Specificity:**  
human

## 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)

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

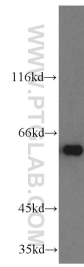
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

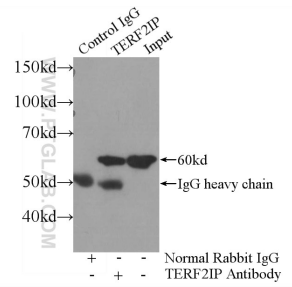
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

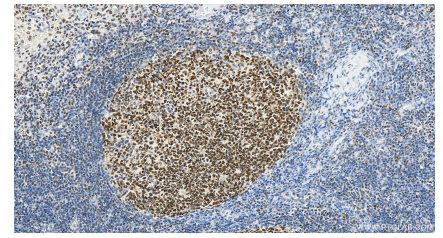
## Selected Validation Data



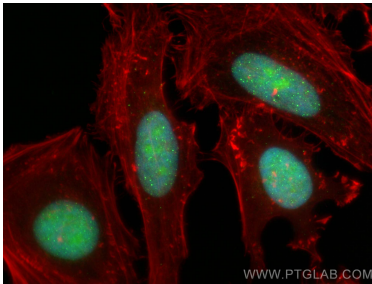
HEK-293 cells were subjected to SDS PAGE followed by western blot with 14595-1-AP (TERF2IP antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 14595-1-PBS in a different storage buffer formulation.



IP result of anti-TERF2IP (IP:14595-1-AP, 3ug; Detection:14595-1-AP 1:800) with HeLa cells lysate 2720ug. This data was developed using the same antibody clone with 14595-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 14595-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 14595-1-PBS in a different storage buffer formulation.