

For Research Use Only

TERF2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87020-1-PBS



Basic Information

Catalog Number: 87020-1-PBS	GenBank Accession Number: BC024890	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 7014	CloneNo.: 252147A6
Isotype: IgG	UNIPROT ID: Q15554	
Immunogen Catalog Number: AG16798	Full Name: telomeric repeat binding factor 2	
	Calculated MW: 56 kDa	
	Observed MW: 65-69 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

TRF2, also named as TRBF2 and Telomeric repeat-binding factor 2, is a 542 amino acid protein, which contains 1 HTH myb-type DNA-binding domain and localizes in the Nucleus. TRF2 binds the telomeric double-stranded 5'-TTAGGG-3' repeat and plays a central role in telomere maintenance and protection against end-to-end fusion of chromosomes. TRF2 is a component of the shelterin complex (telosome) that is involved in the regulation of telomere length and protection. TRF2 together with DCLRE1B/Apollo, is required to control the amount of DNA topoisomerase (TOP1, TOP2A and TOP2B), which is needed for telomere replication during fork passage and prevent aberrant telomere topology. TRF2 recruits TERF2IP/RAP1 to telomeres, thereby participating in to repressing homology-directed repair (HDR), which can affect telomere length.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

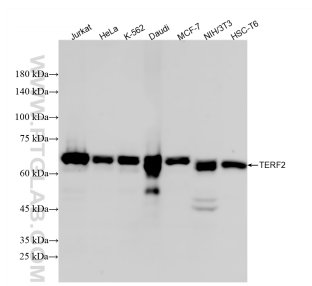
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E: Proteintech-CN@ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87020-1-RR (TERF2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87020-1-PBS in a different storage buffer formulation.