

TERF2 Recombinant monoclonal antibody

Catalog Number: 87020-1-RR

Basic Information

Catalog Number: 87020-1-RR	GenBank Accession Number: BC024890	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 7014	CloneNo.: 252147A6
Isotype: IgG	UNIPROT ID: Q15554	Recommended Dilutions: WB: 1:2000-1:10000
Immunogen Catalog Number: AG16798	Full Name: telomeric repeat binding factor 2	
	Calculated MW: 56 kDa	
	Observed MW: 65-69 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : Jurkat cells, HeLa cells, K-562 cells, Daudi cells, MCF-7 cells, NIH/3T3 cells, HSC-T6 cells

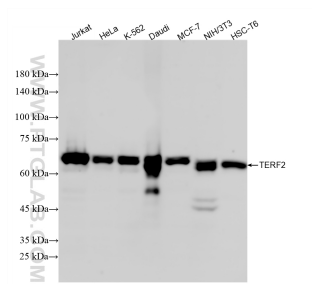
Background Information

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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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.