For Research Use Only

TERF2 Monoclonal antibody

Catalog Number:66893-1-lg 5 Publications



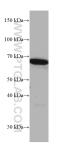
Basic Information	Catalog Number:GenBank Accession Number:66893-1-lgBC024890		mber:	Purification Method: Protein A purification	
	Size: 1000 µg/ml	GenelD (NCBI): 7014		CloneNo.: 5B1E1	
	Source: UNIPROT ID:			Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000	
	Mouse	Mouse Q15554 WB 1:5000-1:50000			
	•				
Applications	Tested Applications: Positive Controls: WB, IHC, ELISA NOT a public MCF Z colloc UT 20 colloc V/ 562			rols:	
		VVD:		ırkat cells, MCF-7 cells, HT-29 cells, K-562 cells, 93 cells, Daudi cells, HSC-T6 cells, NIH/3T3 cell: lls	
			4T1 cells		
	••		IHC : human ; brain tissue	gliomas tissue, rat brain tissue, mouse	
	Cited Species: human, mouse				
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
	TERF2, also named as TRF2 and Telomeric repeat-binding factor 2, is a 542 amino acid protein, which contains 1 HTF 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. TERF2 is a component of the shelterin complex (telosome) that is involved in the regulation of telomere length and protection. TERF2 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 preven aberrant telomere topology. TERF2 recruits TERF2IP/RAP1 to telomeres, thereby participating in to repressing homology-directed repair (HDR), which can affect telomere length. TERF2 exists some isoforms with MV 60 kDa and 32 kDa.				
Background Information	3' repeat and plays a central role chromosomes. TERF2 is a compo telomere length and protection. T topoisomerase (TOP1, TOP2A an aberrant telomere topology. TER homology-directed repair (HDR),	nd localizes in the Nucleus. in telomere maintenance ar nent of the shelterin complex ERF2 together with DCLRE1E d TOP2B), which is needed for 2 recruits TERF2IP/RAP1 to t	TRF2 binds th ad protection a (telosome) t 3/Apollo, is re or telomere re celomeres, the	e telomeric double-stranded 5'-TTAGGG against end-to-end fusion of hat is involved in the regulation of quired to control the amount of DNA plication during fork passage and preve ereby participating in to repressing	
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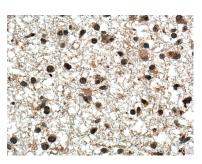
 For technical support and original validation data for this product please contact:

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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



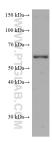


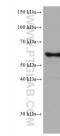
MCF-7 cells were subjected to SDS PAGE followed by western blot with 66893-1-1g (TERF2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.

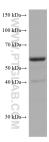
Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 66893-1-1g (TERF2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 66893-1-1g (TERF2 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).







HEK-293 cells were subjected to SDS PAGE followed by western blot with 66893-1-lg (TERF2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.

Jurkat cells were subjected to SDS PAGE followed by western blot with 66893-1-Ig (TERF2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. 4T1 cells were subjected to SDS PAGE followed by western blot with 66893-1-1g (TERF2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.