e at -20C	TERF2IP (D9H4) Rabbit mAb		Cell Signaling	
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For Research Use Only. Not for Use in Diagnostic Procedures.											
Applications	Peactivity:	Soneitivity:	MW (kDa).	Source/Isotype:	UniProt ID:						

Applications: WB, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	<b>MW (kDa):</b> 55	Source/Isotype: Rabbit IgG	UniProt ID: #Q9NYB0	Entrez-Gene Id: 54386	
Product Usage Information		Application Western Blotting Immunoprecipitation		<b>Dilution</b> 1:1000 1:100			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity / Sensitivity		TERF2IP (D9H4) Rabbit mAb detects endogenous levels of total TERF2IP protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to the carboxy terminus of human TERF2IP protein.					
Background	the pre Con fun- fou of t and tran can tran can pro criti TEI sen	Shelterin Complex, vent them from bein mplex is composed of ction to recruit the co- nd at telomeres, whi he telomeres (2). To d processing of chron intenance of telomer scription (3,4). How on create undesirable intenance, TERF2IP tein and regulates N ical for proper recruit RF2IP have been for isitizes these cells to	a multi-protein or g recognized by of TERF2IP, TIN2 omplex to telome le the POT1 prot gether, these pro mosome ends. R re length, organiz ever, TERF2IP is telomeric sister of is also found in IF-KB-dependent tment of IKKs to und in breast can p apoptosis, furth	ting protein (TERF2IP, a complex that binds and or the cell as DNA double s and TPP2 proteins, in a res: TRF1 and TRF2 bir ein binds single-strande teins function to protect ecent studies have show ation of telomeric chron a required for inhibition of thromatid exchange (3,4 the cytoplasm, where it t gene expression (5). TE gene expression (5). TE and activation of the p65 cer cells with NF-kB hyper identifying TERF2IP a	rganizes telomeres int stranded breaks (1,2). addition to three DNA d double-stranded TT d TTAGGG repeats fo telomeres and ensure vn that TERF2IP is dis natin, and regulation of f homology-directed re functions as an IkB kin ERF2IP forms a compl s subunit of NF-kB. Ele peractivity, and knockd	o T-loop structures to The Shelterin binding proteins that AGGG repeats und at the very end proper replication pensable for f telomeric epair (HDR), which e in telomere hase (IKK) adaptor ex with IKKs and is evated levels of lown of TERF2IP	
Background Refer	2. d 3. s 4. N	i, B. et al. (2000) Ce le Lange, T. (2005) ( Sfeir, A. et al. (2010) Martinez, P. et al. (20 Feo, H. et al. (2010)	Genes Dev 19, 2 Science 327, 16 10) Nat Cell Biol	57-61. 12, 768-80.			
Species Reactivity		Species reactivity is determined by testing in at least one approved application (e.g., western blot).					
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					
Applications Key	WB	: Western Blotting II	P: Immunoprecip	itation			
Cross-Reactivity Key		H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected					
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## TERF2IP (D9H4) Rabbit mAb (#5433) Datasheet Without Images Cell Signaling Technology

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