

#3529 Store at -20C

Trf1 (BED5) Mouse mAb



Orders: 877-616-CELL (2355)
orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB	H M R Mk	Endogenous	60	Mouse IgG1	#P54274	7013

Product Usage Information	Application	Dilution
	Western Blotting	1:1000
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	Trf1 (BED5) Mouse mAb detects endogenous levels of total Trf1 protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with recombinant human Trf1.	
Background	Telomeres, the linear ends of chromosomes, are organized into T-loops to prevent them from being recognized by the cell as DNA double stranded breaks (DSBs) (1). A large number of proteins, including telomeric repeat binding factor proteins Trf1 and Trf2, are bound to the telomeres forming a complex of proteins known as shelterin or the telosome (2). Both Trf1 and Trf2 are known to regulate telomere length, participate in the DNA damage response, and contribute to chromosome stability (3-5).	
Background References	<ol style="list-style-type: none"> Colgin, L. and Reddel, R. (2004) <i>Curr Biol</i> 14, R901-2. Xin, H. et al. (2008) <i>Genome Biol</i> 9, 232. Benetti, R. et al. (2008) <i>Cell Cycle</i> 7, 3461-8. Okamoto, K. et al. (2008) <i>J Biol Chem</i> 283, 23981-8. Stagno D'Alcontres, M. et al. (2007) <i>J Cell Biol</i> 179, 855-67. 	

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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting
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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