Store at -20C	SATB1 (P472) Antibody	Cell Signaling	
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com
സ്		Support:	877-678-TECH (8324)
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#	3 Tras	k Lane Danvers Ma	ssachusetts 01923 USA

For Research Use Only. Not for Use in Diagnostic Procedures.						
Applications	Boootivity	Soncitivity	N/1\A/			

Applications: WB, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 100	Source: Rabbit	UniProt ID: #Q01826	Entrez-Gene Id: 6304
Product Usage Information		plication estern Blotting			Dilution 1:1000	
		munoprecipitation			1:25	
Storage	•	oplied in 10 mM sodi C. Do not aliquot the		5), 150 mM NaCl, 10	00 μg/ml BSA and 50% g	glycerol. Store at –
Specificity / Sensitivity		SATB1 (P472) Antibody detects endogenous levels of total SATB1 protein.				
Species predicted to react based on 1009 sequence homology	6	nkey, Bovine, Pig, H	orse			
Source / Purification		•		U	th a synthetic peptide co d peptide affinity chroma	
Background	spe glob atta chro chro ace regu pho imp preo exp met tum	cific transcription fa- bal chromatin archite chment regions (MA omatin-remodeling p omatin remodeling e tyltransferases PCA ulates its interaction isphorylated SATB1 airs its DNA binding dominantly in thymo ressed in metastatic castatic breast cance	ctor (1). SATB1 coo ecture by organizing ARs) in DNA to the proteins that contrib enzymes ACF and I AF and p300/CBP (4 with HDAC1 and F preferentially binds activity, thereby re ecytes and is involve breast cancer cell er (7). In a mouse n ting tumor growth a	perates with promy g chromatin into disl nuclear matrix (1-3) ute to specific gene SWI, the histone de 4-6). Phosphorylatio PCAF. While unphos to HDAC1 (6). Ace moving SATB1 from ed in gene regulation s and is a potential model system, RNAi- nd metastasis, while	global chromatin organiz elocytic leukemia proteir tinct loops via periodic at . In addition, SATB1 recr activation and repressic acetylase HDAC1, and t n of SATB1 on Ser185 b phorylated SATB1 binds tylation of SATB1 on Lys n gene promoters (6). SA n during T cell activation prognostic marker and th -mediated knockdown of e ectopic expression of S	n (PML) to regulate nchoring of matrix ruits multiple on, including the he histone by protein kinase C is to PCAF, 5136 by PCAF TB1 is expressed (1). SATB1 is also herapeutic target for 5 SATB1 reversed
Background Refere	2. C 3. K 4. Y 5. K 6. P	Galande, S. et al. (20 cai, S. et al. (2006) / cumar, P.P. et al. (2002) fasui, D. et al. (2002) cumar, P.P. et al. (2002) Pavan Kumar, P. et al lan, H.J. et al. (2008)	Nat Genet 38, 1278 07) Nat Cell Biol 9,) Nature 419, 641- 05) Mol Cell Biol 2 I. (2006) Mol Cell 2	-88. 45-56. 5. 5, 1620-33. 2, 231-43.		
Species Reactivity	Spec	cies reactivity is dete	ermined by testing i	n at least one appro	oved application (e.g., we	estern blot).
Western Blot Buffer		ORTANT: For weste 6 Tween® 20 at 4°C	·		ed primary antibody in 59	% w/v BSA, 1X TBS,
Applications Key Cross-Reactivity Ke		: Western Blotting II	P: Immunoprecipita	tion		

1/1/24, 2:02 PM	SATB1 (P472) Antibody (#3643) Datasheet Without Images Cell Signaling Technology 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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