3/15/24, 10:42 AM Revision 6

#21792 Store at -20C 8155 90)	4Z) Rabbit mAb		3 Trask La	Orders: Support: Web:	ell Signaling E C H N O L O G Y* 877-616-CELL (2355) orders@cellsignal.com 877-678-TECH (8324) info@cellsignal.com cellsignal.com
For Research Use Only. Applications: WB, IP, IHC-P, ChIP, ChIP-seq, C&R	Not for Use in Diagnostic Pr Reactivity: Sensitivity: H M R Mk Endogenous	MW (kDa):	Source/Isotype: Rabbit IgG	UniProt ID: #Q15532	Entrez-Gene Id: 6760
Product Usage Information	10 ⁶ cells) per IP. Thi	s antibody has been v tion was determined u n	se 10 µl of antibody and ralidated using SimpleC sing CUT&RUN Assay	hIP [®] Enzymatic C	
Storage			5), 150 mM NaCl, 100 µ not aliquot the antibody.		lycerol and less than
Specificity / Sensi Species predicted react based on 100 sequence homolo	to Dog, Horse	it mAb recognizes end	logenous levels of total	SS18 protein.	
Source / Purification		y is produced by immu g Gln394 of human SS	inizing animals with a sy S18 protein.	ynthetic peptide co	orresponding to
Background	processes such as the complex consists of ATPase catalytic subtranscription factors factors, such as nuctarget genes for regules SS18 is a protein that fusion proteins are a chromosome genes accounts for 8-10% translocation of the Shomology domain) of terminal region of BF endogenous SS18 of resulting in the displattered function of the SS (12). In addition, cytosolic mice do not develop	ranscription and DNA more than 10 subunit: bunit. The activity of the rucial regulatory elem- folding role to maintain and chromatin (2-5). The lear receptors, p53, R ulation of gene activat at has been shown to a result of in-frame fusi SSX1, SSX2, and to a of all soft tissue malig SS18 gene on chromo of the SS18 protein inte RM and BRG1 subunits competes with the mut acement of SNF5 (BA the SWI/SNF complex to a SS18 isoforms also a	e defects in vasculariza	L,2). The SWI/SNF molecule of either pts histone-DNA of the additional core urfaces for interac n SWI/SNF subur facilitate recruitme ele, and differentia IF complex (10, 1: gene on chromos 2). Human synovi se malignancies e erminal SNH doma iromatin remodelin S18-SSX fusion ir or occupancy in the nent of the SNF5 d expression of ge	 chromatin remodeling r BRM or BRG1 as the contacts and changes e and accessory etion with various nits and transcription ent of the complex to tion processes (1,6-9). 1). The SS18-SSX some 18 with X al sarcoma (SS) express the recurrent ain (SYT N-terminal ng complexes via the N n SS suggest that e SWI/SNF complexes subunit results in enes such as Sox2 in

3/15/24, 10:42 AM Background References	 SS18 (D6I4Z) Rabbit mAb (#21792) Datasheet Without Images Cell Signaling Technology 1. Ho, L. and Crabtree, G.R. (2010) <i>Nature</i> 463, 474-84. 2. Becker, P.B. and Hörz, W. (2002) <i>Annu Rev Biochem</i> 71, 247-73. 3. Eberharter, A. and Becker, P.B. (2004) <i>J Cell Sci</i> 117, 3707-11. 4. Bowman, G.D. (2010) <i>Curr Opin Struct Biol</i> 20, 73-81. 5. Gangaraju, V.K. and Bartholomew, B. (2007) <i>Mutat Res</i> 618, 3-17. 6. Lessard, J.A. and Crabtree, G.R. (2010) <i>Annu Rev Cell Dev Biol</i> 26, 503-32. 7. Morettini, S. et al. (2008) <i>Front Biosci</i> 13, 5522-32. 8. Wolf, I.M. et al. (2008) <i>J Cell Biochem</i> 104, 1580-6. 9. Simone, C. (2006) <i>J Cell Physiol</i> 207, 309-14. 10. Nagai, M. et al. (2001) <i>Proc Natl Acad Sci U S A</i> 98, 3843-8. 11. Thaete, C. et al. (1999) <i>Hum Mol Genet</i> 8, 585-91.
	12. Kadoch, C. and Crabtree, G.R. (2013) <i>Cell</i> 153, 71-85. 13. Perani, M. et al. (2003) <i>Oncogene</i> 22, 8156-67. 14. Kim, J. et al. (2009) <i>PLoS One</i> 4, e6455.
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 IP: Immunoprecipitation IHC-P: Immunohistochemistry (Paraffin) ChIP: Chromatin IP ChIP-seq: Chromatin IP-seq C&R: CUT&RUN
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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