L/1/24, 9:17 AM A Revision 3	Acetylated-Lysine (Ac-K-100) MultiMab® Rabbit mAb) mix (HRP Conjugate) (#6952)	Datasheet Without Imag.
	d-Lysine (Ac-K-100) ® Rabbit mAb mix (HRP	T E	CHNOLOGY®
o Conjugati	<i>c)</i>	Orders:	877-616-CELL (2355) orders@cellsignal.com
23		Support:	877-678-TECH (8324)
#6952		Web:	info@cellsignal.com cellsignal.com
	y. Not for Use in Diagnostic Procedures.	3 Trask Lane Danvers Mas	ssachusetts 01923 USA
Applications: WB	Reactivity: Sensitivity: Source/Isotype: All Endogenous Rabbit IgG		
Product Usage	Application	Dilution	
Information	Western Blotting	1:1000	
Storage	Supplied in 136 mM NaCl, 2.6 mM KCl, 12 mM 50% glycerol. Store at –20°C. Do not aliquot th		2 mg/ml BSA, and
Specificity / Sensi	itivity Acetylated-Lysine (Ac-K-100) MultiMab® Rabb translationally modified by acetylation on the ε- acetylated lysine in a wide range of sequence of histones, p53, CBP, PCAF, and chemically ace little as 0.04 ng of chemically acetylated BSA w (U.S. Patent No's.: 6,441,140; 6,982,318; 7,259 equivalents.)	amine groups of lysine residues. The contexts. It has been demonstrated to tylated BSA. The antibody has been s /hile not recognizing up to 25 μg of no	antibody recognizes recognize acetylated hown to react with as n-acetylated BSA.
Source / Purificati	ion MultiMab® rabbit monoclonal mix antibodies at clones in optimized ratios for the approved app based on motif recognition and performance in broadest possible coverage of the modification the modification or motif.	lications. Each antibody in the mix is a multiple assays. Each mix is enginee	carefully selected red to yield the
Product Descripti	This Cell Signaling Technology [®] antibody is co modified antibody with formylbenzamide-modif antibody is expected to exhibit the same specie (Ac-K-100) MultiMab [®] Rabbit mAb mix (HRP C	ied horseradish peroxidase (HRP). These cross-reactivity as the unconjugate	e HRP conjugated
Background	Acetylation of lysine, like phosphorylation of se modification controlling protein activity. The cor (H2A, H2B, H3, and H4) contain lysines that ar deacetylated by histone deacetylases (HDACs histones, transcription factors, and other protei chromatin structure and gene activity, cell grow surveys suggest that acetylation of lysine resid translational protein modification that affects th metabolism, longevity, actin polymerization, an acetylation status is impaired in cancer and pol promising targets for anti-cancer drugs current	nserved amino-terminal domains of the e acetylated by histone acetyltransfer) (1). Signaling resulting in acetylation ns affects a diverse array of cellular p th, differentiation, and apoptosis (2-6) ues may be a widespread and importa ousands of proteins involved in contro d nuclear transport (7,8). The regulati lyglutamine diseases (9), and HDACs	e four core histones ases (HATs) and /deacetylation of rocesses including . Recent proteomic ant form of post- ol of cell cycle and on of protein
Background Refe	1. Hassig, C.A. and Schreiber, S.L. (1997) Curr 2. Allfrey, V.G. et al. (1964) Proc Natl Acad Sci	•	

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Species reactivity is determined by testing in at least one approved application (e.g., western blot).

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Western Blot B	uffer	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 Ke	еу	WB: Western Blotting
Cross-Reactivit	ty 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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