e at -20C	ASF1B (C70E2) Rabbit mAb		Cell Signaling	
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For Research Use Only	Not for Use in	n Diagnostic Procedures.
FOI INESCAIGH USE OINY		i Diagnostic Frocedures.

Applications: WB, IP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 19	Source/Isotype: Rabbit	UniProt ID: #Q9NVP2	Entrez-Gene Id: 55723
Product Usage Information	w	pplication estern Blotting munoprecipitation			Dilution 1:1000 1:100	
Storage				7.5), 150 mM NaCl, 100 o not aliquot the antibody		erol and less than
Specificity / Sensitivity		ASF1B (C70E2) Rabbit mAb detects endogenous levels of total ASF1B protein. The antibody does not cross-react with ASF1A protein.				
Source / Purification		noclonal antibody is boxy-terminus of the	• •	nunizing animals with a sprotein.	synthetic peptide corre	esponding the the
Background	ove hig del cou CA sile AS rep che cel AS ove pho TLI	erexpressed (1). Whil hly homologous ASF ivering histone H3/H4 upled and replication- F-1, but only ASF1A encing, ASF1 functior F1 in yeast and <i>Dros</i> dication, increases ge eckpoint (6-8). Deplet Is in S phase, increase F1A is required for the erexpression of ASF1 opsphorylated in S phase	le only one gene (1A and ASF1B g 4 dimers to CAF- independent nuc binds to HIRA (5 is in DNA damag cophila confers se enomic instability tion of both ASF1 sed phosphorylation the formation of se A inducing sene ase by the Tousle ctivated by Chk1	based on its ability to d exists in yeast and <i>Dros</i> enes (2). ASF1A and AS 1 or HIRA histone depo cleosome assembly on I). In addition to playing a re repair, genome stabili ensitivity to various DNA and sister chromatid ex A and ASF1B in mamma ion of H2A.X, centrosome enescence-associated h scence in primary cells (ed-like kinases TLK1 and kinase in response to re ood.	sophila, mammalian ce SF1B function as histor sition complexes to fac DNA (2-5). Both ASF14 a role in DNA replication ty and cellular senesce a damaging agents and acchange, and activates alian cells results in the ne amplification and ap eterochromatin foci (S (4). Both ASF1A and A d TLK2, and are depho	ells contain the two ne chaperones, cilitate replication- A and ASF1B bind to on and gene ence. Deletion of I inhibitors of DNA the DNA damage e accumulation of poptosis (9,10). AHF), with SF1B are pophorylated when
Background Refere	2. N 3. 1 4. 2 5. [6. F 7. F 8. 1 9. 5 10. (11. 5	Prado, F. et al. (2004) Fyler, J.K. et al. (1999) Sanematsu, F. et al. (Groth, A. et al. (2005)	007) Chromosom Nat. Struct. Mol. 5) Dev. Cell. 8, 19 (2003) Curr. Biol 04) Mol. Cell. Bi) EMBO Rep. 5, 9) Nature 402, 55 2006) J. Biol. Ch) Mol. Cell. 17, 30 E.A. (2001) Curr	a 116, 79-93. Biol. 13, 921-929. 9-30. 13, 2148-2158. ol. 24, 10313-10327. 497-502. 55-560. pem. 281, 13817-13827. 01-311. : Biol. 11, 1068-1073.		
Species Reactivity	Spe	cies reactivity is dete	ermined by testing	g in at least one approve	ed application (e.g., we	estern blot).
Western Blot Buffer		ORTANT: For wester 6 Tween® 20 at 4°C		membrane with diluted ing, overnight.	primary antibody in 59	% w/v BSA, 1X TBS,
Applications Key	WB	: Western Blotting IF	P: Immunoprecip	tation		

1/1/24, 9:18 AM Cross-Reactivity Key	 ASF1B (C70E2) Rabbit mAb (#2902) 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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