ASF1B (C70E2) Rabbit mAb



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Applications: W, IP	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 19	Source/Isotype: Rabbit	UniProt ID: #Q9NVP2	Entrez-Gene Id: 55723	
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100		
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/Sen	//Sensitivity ASF1B (C70E2) Rabbit mAb detects endogenous levels of total ASF1B protein. The antibody does no cross-react with ASF1A protein.				tibody does not		
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding the the carboxy-terminus of the human ASF1B protein.					
Background		ASF1 was first identifie overexpressed (1). Wh two highly homologou delivering histone H3/ replication-coupled an ASF1B bind to CAF-1, k and gene silencing, AS Deletion of ASF1 in yea inhibitors of DNA repli activates the DNA dam results in the accumul amplification and apop heterochromatin foci (Both ASF1A and ASF1E are dephosphorylated stress (11,12). The fund	ed in <i>S. cerevisiae</i> b ile only one gene e is ASF1A and ASF1E H4 dimers to CAF-1 d replication-indep out only ASF1A bind SF1 functions in DN ast and <i>Drosophila</i> cation, increases g hage checkpoint (6- ation of cells in S pl ptosis (9,10). ASF1A SAHF), with overex 3 are phosphorylate when TLK1 and TL ction of ASF1 phosp	ased on its ability to de- xists in yeast and <i>Droso</i> , genes (2). ASF1A and A or HIRA histone deposi endent nucleosome ass to HIRA (5). In addition A damage repair, genom confers sensitivity to val enomic instability and si 8). Depletion of both AS hase, increased phospho- is required for the form pression of ASF1A induce din S phase by the Tou- K2 are inactivated by Ch oborylation is not yet un	repress transcriptio ohila, mammalian of SF1B function as hi tion complexes to f embly on DNA (2-5) n to playing a role in the stability and cellu rious DNA damagin ster chromatid excl F1A and ASF1B in m prylation of H2A.X, of action of senescence ing senescence in p sled-like kinases TL k1 kinase in respond derstood.	nal silencing when ells contain the stone chaperones, acilitate). Both ASF1A and n DNA replication ular senescence. g agents and nange, and nammalian cells centrosome e-associated orimary cells (4). K1 and TLK2, and se to replicative	
Background Re	ferences	1. Singer, M.S. et al. (19 2. Mousson, F. et al. (2 3. Tang, Y. et al. (2006) 4. Zhang, R. et al. (200 5. Daganzo, S.M. et al. 6. Ramey, C.J. et al. (200 7. Prado, F. et al. (200 8. Tyler, J.K. et al. (1999 9. Sanematsu, F. et al. 10. Groth, A. et al. (200 11. Silljé, H.H. and Nig 12. Carrera, P. et al. (200	998) Genetics 150, (007) Chromosoma Nat. Struct. Mol. B 5) Dev. Cell. 8, 19-3 (2003) Curr. Biol. 1 04) Mol. Cell. Biol. 2 9) Nature 402, 555-5 (2006) J. Biol. Chen 5) Mol. Cell. 17, 30 g, E.A. (2001) Curr. 203) Genes Dev. 17,	513-632. 116, 79-93. <i>iol.</i> 13, 921-929. 3, 2148-2158. 24, 10313-10327. -502. 560. 3, 281, 13817-13827. 1-311. <i>Biol.</i> 11, 1068-1073. 2578-2590.			
Species Reactiv	vity	Species reactivity is de	termined by testing	g in at least one approve	ed application (e.g.,	western blot).	
Western Blot B	uffer	IMPORTANT: For west TBS, 0.1% Tween® 20	ern blots, incubate at 4°C with gentle s	membrane with diluted haking, overnight.	primary antibody ii	n 5% w/v BSA, 1X	
Applications Ke	ey .	W: Western Blotting IF	?: Immunoprecipita	tion			
Cross-Reactivit	у Кеу	H: Human Mk: Monke	у				

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