

ASF1B Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

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	otting 1:1000			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		ASF1B Antibody detects endogenous levels of total ASF1B protein. The antibody does not cross-react with ASF1A protein.				
Species predicted to react based on 100% sequence homology		Mouse				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the carboxy terminus of the human ASF1B protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		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 ye- inhibitors of DNA repli activates the DNA dan results in the accumul amplification and apol heterochromatin foci (Both ASF1A and ASF1E are dephosphorylated	ile only one gene e us ASF1A and ASF1I (H4 dimers to CAF- nd replication-indep out only ASF1A bind SF1 functions in DN ast and <i>Drosophila</i> ication, increases g nage checkpoint (6 ation of cells in S p ptosis (9,10). ASF1A (SAHF), with overex 3 are phosphorylat I when TLK1 and TL	ased on its ability to de- xists in yeast and <i>Droso</i> 3 genes (2). ASF1A and A 1 or HIRA histone depos bendent nucleosome ass ds to HIRA (5). In addition A damage repair, genon confers sensitivity to va enomic instability and season, increased phospholis is required for the form pression of ASF1A induced in Season of	phila, mammalian of SF1B function as histion complexes to sembly on DNA (2-5 in to playing a role in estability and cell rious DNA damagirister chromatid except and ASF1B in rorylation of H2A.X, nation of senescence in seled-like kinases TL ik1 kinase in respor	cells contain the istone chaperones, facilitate). Both ASF1A and n DNA replication ular senescence. ag agents and hange, and nammalian cells centrosome re-associated primary cells (4)K1 and TLK2, and
Background References		1. Singer, M.S. et al. (1998) <i>Genetics</i> 150, 613-632. 2. Mousson, F. et al. (2007) <i>Chromosoma</i> 116, 79-93. 3. Tang, Y. et al. (2006) <i>Nat. Struct. Mol. Biol.</i> 13, 921-929. 4. Zhang, R. et al. (2005) <i>Dev. Cell.</i> 8, 19-30. 5. Daganzo, S.M. et al. (2003) <i>Curr. Biol.</i> 13, 2148-2158. 6. Ramey, C.J. et al. (2004) <i>Mol. Cell. Biol.</i> 24, 10313-10327. 7. Prado, F. et al. (2004) <i>EMBO Rep.</i> 5, 497-502. 8. Tyler, J.K. et al. (1999) <i>Nature</i> 402, 555-560. 9. Sanematsu, F. et al. (2006) <i>J. Biol. Chem.</i> 281, 13817-13827. 10. Groth, A. et al. (2005) <i>Mol. Cell.</i> 17, 301-311. 11. Silljé, H.H. and Nigg, E.A. (2001) <i>Curr. Biol.</i> 11, 1068-1073. 12. Carrera, P. et al. (2003) <i>Genes Dev.</i> 17, 2578-2590.				

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 W: Western Blotting **IP**: Immunoprecipitation

Cross-Reactivity Key H: Human Mk: Monkey

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