CENP-A (C51A7) Rabbit mAb



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications: W	Reactivity: M	Sensitivity: Endogenous	MW (kDa): 17	Source/Isotype: Rabbit IgG	UniProt ID: #O35216	Entrez-Gene Id: 12615
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		CENP-A (C51A7) Rabbit mAb detects endogenous levels of total mouse CENP-A protein. This antibody does not cross-react with other histone proteins, including Histone H3.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to the amino terminus of mouse CENP-A protein.				
Background		of the eukaryotic general H4), is the primary but histone modifications variant histones that of the chromatin-association variant that replaces of between CENP-A and linker DNA between notes and the amino-terminal tack, hSMC1, hZW10), producing the control of the centrol of the centrol of the centrol of the targeting of Aurora B	ome. The nucleosor ilding block of chro regulating chromatan directly or indirectly or indindirectly or indirectly or indirectly or indirectly or indirectly	a critical role in the regume, made up of four cormatin. In addition to the tin structure, cells can a ectly modulate chromaticapping-enzyme suppres in centromeric heteroid occurs in the amino-tocilitates proper folding or required for recruitments sembly, and chromosor stone fold domain is restitions of CENP-A are regumere in prometaphase, romosomes during mito	e histone proteins (e growing number of lso exchange canor in structure (1). CEN ssor 4-p), is an esse chromatin (2). The of erminal tail of the p of centromeric hete at of other centromer me segregation dur ponsible for correc ulated by phosphor prophase is require proper kinetochore	H2A, H2B, H3, and of posttranslational nical histones with IP-A, also known as intial histone H3 greatest divergence rotein, which binds rochromatin (3). eric proteins (CENPing mitosis (4). t targeting of CENPylation (6,7).
Background References		 Jin, J. et al. (2005) Trends Biochem Sci 30, 680-7. Ausió, J. (2006) Brief Funct Genomic Proteomic 5, 228-43. Heit, R. et al. (2006) Biochem Cell Biol 84, 605-18. Van Hooser, A.A. et al. (2001) J Cell Sci 114, 3529-42. Black, B.E. et al. (2004) Nature 430, 578-82. Kunitoku, N. et al. (2003) Dev Cell 5, 853-64. Zeitlin, S.G. et al. (2001) J Cell Biol 155, 1147-57. 				

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

Cross-Reactivity Key M: Mouse

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