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Product datasheet for TA326348

CENPA Mouse Monoclonal Antibody [Clone ID: 5A7-2E11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	5A7-2E11
Applications:	WB
Recommend Dilution:	WB: 1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide corresponding to a portion of human CENP-A.
Formulation:	PBS, 50% glycerol
Concentration:	1 mg/ml
Purification:	Protein G Purified
Gene Name:	centromere protein A
Database Link:	NP_001800 Entrez Gene 1058 Human
Background:	A replicated chromosome includes two kinetochores that control chromosome segregation during mitosis. The Centromere Protein-A, CENP-A, is a Histone H3-like protein that contains a C-terminal H3-like domain, which is required for centromere localization of CENP-A, and an antigenic N-terminal domain.CENP-A, originally isolated from HeLa cells, is essential for kinetochore targeting of CENP-C. In the presence of DNA CENP-A forms an octa-meric complex with histones H4, H2A, H2B. CENP-A specifically localizes to active centromeres and is a component of specializedcentromeric nucleosomes, on which kinetochores are assembled. CENP-A is essential for nucleosomal packaging of centromeric DNA at interphase and functions as a centromere formation marker on the chromosome.
Synonyms:	CenH3; CENP-A
Note:	Detects ~18kDa. Recognizes Human CENP-A

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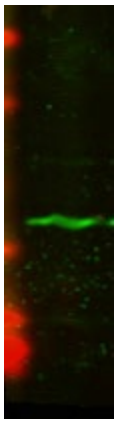
Product images:



Western blot analysis of CENP-A in U2OS lysates using a 1:1000 dilution of the antibody