CENP-A monoclonal antibody (3-19)

Centromere protein A (CENP-A), a 17-19 kDa centromere-specific histone variant, is 62% identical to the carboxy-terminal domain of histone H3. In the presence of DNA, CENP-A forms an octameric complex with histones H4, H2A, and H2B. CENP-A defines active centromere regions by forming centromere-specific nucleosomes on which kinetochores are assembled. CENP-A resides specifically in the inner plate of the kinetochore, and is essential for kinetochore targeting of CENP-C and other kinetochore components. CENP-A is required for nucleosomal packaging of centromeric DNA at interphase.

This antibody is covered by our Worry-Free Guarantee.

Citations: 42 View Online »

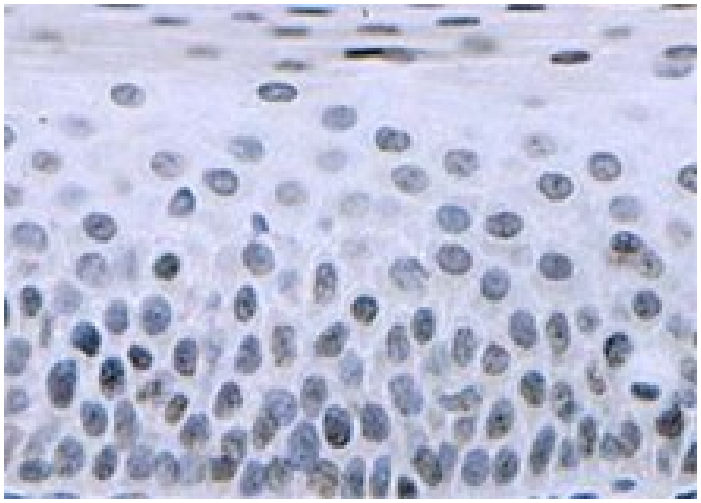
Ordering Information

Order Online »

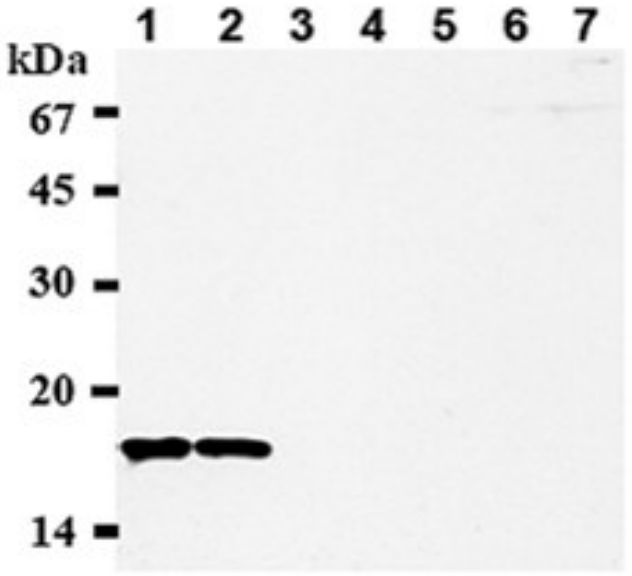
ADI-KAM-CC006-E	100µg

Manuals, SDS & CofA

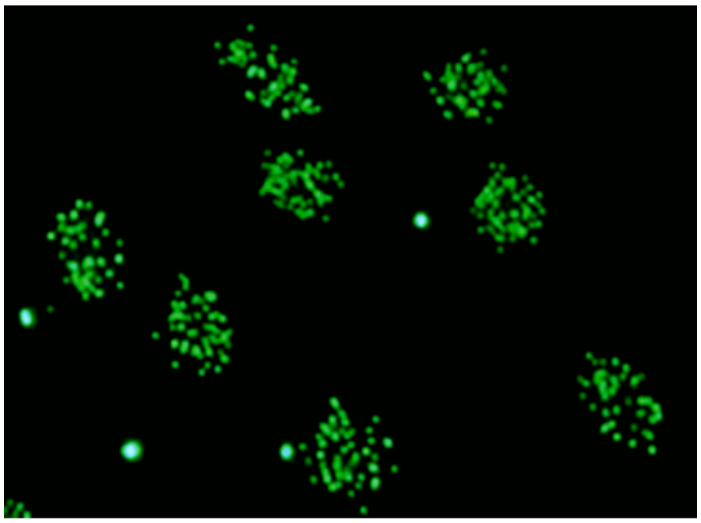
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Immunohistochemical detection of CENP-A on paraffin embedded section of a squamous epithelium of human tonsil.



Western blot analysis of Jurkat (1), Raji (2), PC12 (3), Rat-1 (4), WR19L (5), C2C12 (6), and NIH3T3 (7) cell lysates probed with CENP-A mAb (3-19).



Immunocytochemical detection of CENP-A on acetone fixed HEp-II with CENP-A mAb (3-19).

Handling & Storage

Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Centromere protein A
Application	ICC, IHC, WB
Application Notes	Detects bands of ~18kDa by Western blot.
Clone	3-19
Formulation	Liquid. In PBS, pH 7.2, containing 50% glycerol.
Host	Mouse
Immunogen	Synthetic peptide corresponding to a portion of human CENP-A .
Isotype	IgG1
Purity Detail	Protein A affinity purified.
Recommendation Dilutions/Conditions	Immunocytochemistry (10µg/ml)Immunohistochemistry (5µg/ml)Western Blot (1µg/ml)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Species Reactivity	Human
UniProt ID	P49450
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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