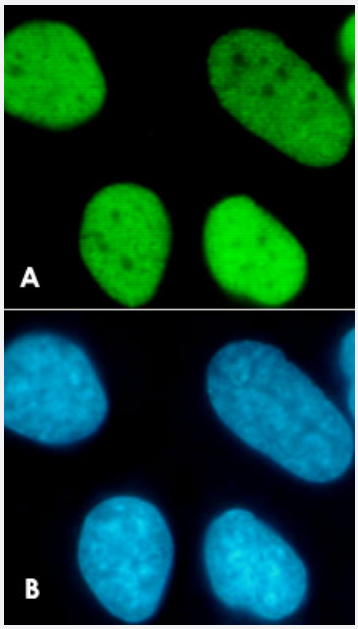
Histone H3 (K9/14ac) polyclonal antibody

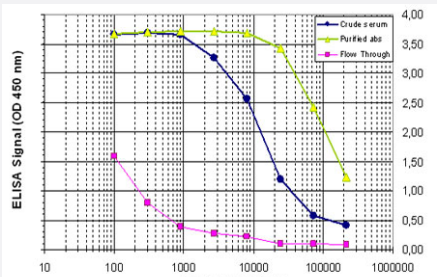
Catalog # PAB0652 Size 50 ug

Applications



Immunofluorescence

Immunofluorescence with the Histone H3 (K9/14ac) polyclonal antibody (Cat # PAB0652).
HeLa cells were stained with antibody directed against modified histone and with DAPI.
Cells were methanol fixed for 10 minutes and then blocked with 1% BSA containing PBS.
The fixation step stabilises the morphology of the cells and permeabilizes membranes as well.
(A) Cells were immunofluorescently labelled with the Histone H3 (K9/14ac) polyclonal antibody (Cat # PAB0652) (diluted 1 : 200 and incubated for 1 hour at room temperature) followed by goat anti-rabbit antibody conjugated to FITC.
(B) Nuclei were DAPI stained to label specifically the DNA.
In both cases, the nuclei are clearly stained.



Enzyme-linked Immunoabsorbent Assay

ELISA is a quantitative method used to determine the concentration of a primary antibody using a series of dilutions of crude sera, affinity purified Histone H3 (K9/14ac) polyclonal antibody (Cat # PAB0652) and flow-through in antigen coated wells.
The antigen in this case is the peptide which was used to raise the antibody.
We plotted the absorbance versus antibody dilution to estimate the TITER : 1 : 18,000 for crude serum and 1 : 150,000 for affinity purified Histone H3 (K9/14ac) polyclonal antibody (Cat # PAB0652).

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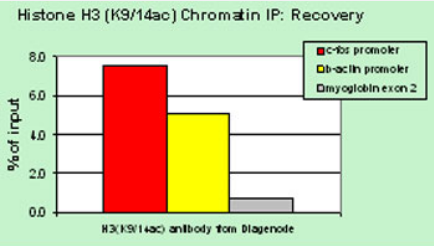

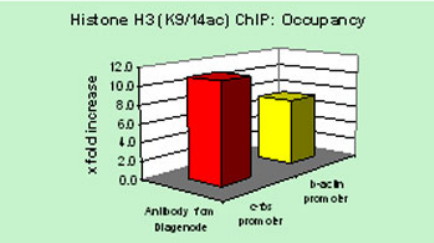

ChIP

ChIP results obtained with the Histone H3 (K9/14ac) polyclonal antibody (Cat # PAB0652). ChIP assays were performed using U-2 OS cells.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of histone H3 (acetylated lysines 9 and 14).
Immunogen	A synthetic peptide (conjugated with KLH) containing the acetylated lysines 9 and 14 (or [K9/14ac]) of human histone H3.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.1% BSA, 0.01% thimerosal)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains thimerosal: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Immunofluorescence

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- Enzyme-linked Immunoabsorbent Assay

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- ChIP

ChIP results obtained with the Histone H3 (K9/14ac) polyclonal antibody (Cat # PAB0652). ChIP assays were performed using U-2 OS cells.

- Dot Blot (Peptide)

Publication Reference

- Epigenetic regulation (DNA methylation, histone modifications) of the 11p15 mucin genes (MUC2, MUC5AC, MUC5B, MUC6) in epithelial cancer cells.

Vincent A, Perrais M, Desseyn JL, Aubert JP, Pigny P, Van Seuningen I.

Oncogene 2007 Apr; 26(45):6566.

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