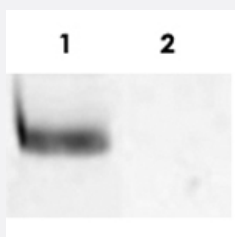


# Histone H3 (K4me3) polyclonal antibody

Catalog # PAB15454

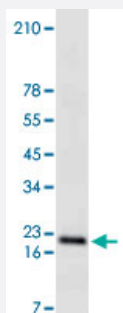
Size 100 uL

## Applications



### ChIP

Histone H3 (K4me3) polyclonal antibody (Cat # PAB15454) was used in ChIP with wild type yeast chromatin (Lane 1) or a strain with a point mutation in the code for Lysine 4 (Lane 2).



### Western Blot (Cell lysate)

Acid treated HeLa (10 ug) extract was treated with a 1 : 100 dilution of Histone H3 (K4me3) polyclonal antibody (Cat # PAB15454) prior to visualization.

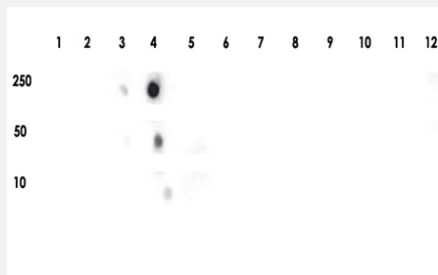
### Dot Blot (Peptide)

To confirm the specificity of the antisera a dot blot system was used with amounts of peptides from 10-250 pmoles.

Unmodified, monomethylated, dimethylated and trimethylated peptides surrounding the lysine 4 site on Histone H3 were spotted in lanes 1-4 respectively.

Lanes 5-8 contained peptides starting at residue 6, with the sequence, TARKSTGGKAPRKQLAT, encompassing the residue at lysine 9 on Histone H3 that is unmodified, monomethylated, dimethylated and trimethylated respectively.

Lanes 9-12 contained peptides encompassing the residue at lysine 27 on Histone H3 that is unmodified, monomethylated, dimethylated and trimethylated respectively.



## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of Histone H3 (K4me3).
<b>Immunogen</b>	A synthetic lysine4 trimethylated peptide of Histone H3 (K4me3).
<b>Host</b>	Rabbit
<b>Reactivity</b>	Yeast
<b>Specificity</b>	This antibody is expected to react with Histone H3 from yeast to mammals.
<b>Form</b>	Liquid
<b>Recommend Usage</b>	Western Blot (1:100-1:500) ChIP (30-50 ul) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.2 (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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