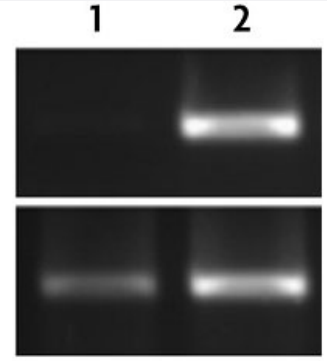
Histone H3 (K4me2) polyclonal antibody

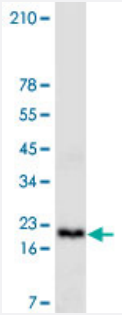
Catalog # PAB15453 Size 100 uL

Applications



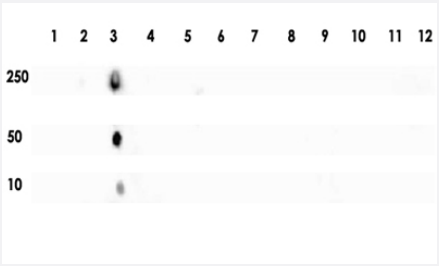
ChIP

Histone H3 (K4me2) polyclonal antibody (Cat # PAB15453) was used in ChIP with murine embryonic stem cells (Lane 1) or erythroleukemia cells (Lane 2). Top Panel : PCR primers specifc for beta-globulin were used to amplify a 210 base pair promoter following DNA isolation.
Lower Panel : Input DNA control.



Western Blot (Cell lysate)

Acid treated HeLa (10 ug) extract was treated with a 1 : 500 dilution of antibody Histone H3 (K4me2) polyclonal antibody (Cat # PAB15453) prior to visualization.



Dot Blot (Peptide)

To confrm the specifcity of the antisera a dot blot system was used with amounts of peptides from 10-250 pmoles.
Unmodifed, 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 lysine 9 on Histone H3 that is unmodifed, monomethylated, dimethylated and trimethylated respectively.
Lanes 9-12 contained peptides encompassing the residue lysine 27 on Histone H3 that is unmodifed, monomethylated, dimethylated and trimethylated respectively.

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Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of Histone H3 (K4me2).
Immunogen	Lysine4 dimethylated peptide of Histone H3.
Host	Rabbit
Reactivity	Yeast
Specificity	This antibody is expected to react with Histone H3 from yeast to mammals.
Form	Liquid
Recommend Usage	Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- ChIP

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