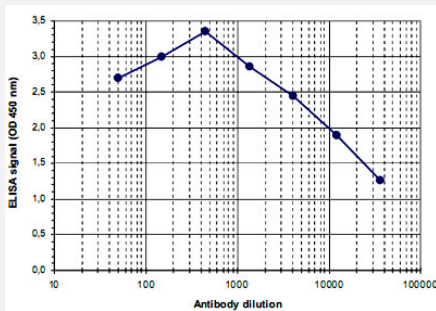


H4K8ac polyclonal antibody

Catalog # PAB14070 Size 100 uL

Applications



Enzyme-linked Immunoabsorbent Assay

ELISA was performed using a serial dilution of H4K8ac polyclonal antibody (Cat # PAB14070). The antigen used was a peptide containing the histone modification of interest. By plotting the absorbance against the antibody dilution, the titer of the crude serum was estimated to be 1 : 17,500.

Dot Blot



A Dot Blot analysis was performed to test the cross reactivity of H4K8ac polyclonal antibody (Cat # PAB14070) with other modifications of histone H4 and H3 and with the unmodified histone H4.

One hundred to 0.2 pmol of the peptide containing the respective histone modification were spotted on a membrane.

The antibody was used at a dilution of 1 : 20,000.

Figure shows a high specificity of the crude serum for the modification of interest.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of H4K8ac.

Immunogen

A synthetic peptide (conjugated with KLH) corresponding to region of histone H4 containing the acetylated lysine 8 (H4K8ac).

Host

Rabbit

Reactivity

Human

Form

Liquid

Recommend Usage	ELISA (1:500) Dot Blot (1:20000) Western Blot (1:250) ChIP (5 ul/ChIP) The optimal working dilution should be determined by the end user.
Storage Buffer	In serum (0.05% sodium azide)
Storage Instruction	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- ChIP
- Western Blot
- Enzyme-linked Immunoabsorbent Assay

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Publication Reference

- [Dynamic regulation of histone lysine methylation by demethylases.](#)

Shi Y, Whetstone JR.

Molecular Cell 2007 Jan; 25(1):1.

- [Stimulation of the Ras-MAPK pathway leads to independent phosphorylation of histone H3 on serine 10 and 28.](#)

Dunn KL, Davie JR.

Oncogene 2005 May; 24(21):3492.

- [Intra- and inter-nucleosomal protein-DNA interactions of the core histone tail domains in a model system.](#)

Zheng C, Hayes JJ.

The Journal of Biological Chemistry 2003 Apr; 278(26):24217.