Datasheet for ABIN3031210

anti-HIST1H4A antibody (meLys20)

7 Images

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Overview

Quantity:	0.4 mL
Target:	HIST1H4A
Binding Specificity:	meLys20
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HIST1H4A antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Dot Blot (DB), Flow Cytometry (FACS)

Product Details

Immunogen:	Amino acids surrounding the K20 methylation site of the human protein were used as the immunogen for this Histone H4 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	HIST1H4A
Alternative Name:	H4 (HIST1H4A Products)
Background:	Histone proteins H3, H4, H2A, and H2B function as building blocks to package eukaryotic DNA into repeating nucleosome units that are folded in higher order chromatin fibers. The

Target Details

	nucleosome is composed of an octamer containing a H3/H4 tetramer and two H2A/H2B dimers, surrounded by approximately 146 base pairs of DNA. A diverse and elaborate array of post-translational modifications including acetylation, phosphorylation, methylation, ubiquitination, and ADP-ribosylation occurs on the N-terminal tail domains of histones.
UniProt:	P62805

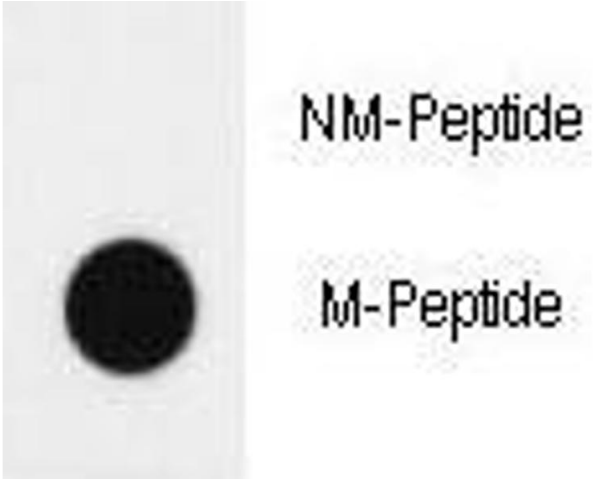
Application Details

Application Notes:	Titration of the H4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Dot blot: 1:500,IHC (Paraffin): 1:50-1:100,Flow Cytometry: 1:10-1:50
Restrictions:	For Research Use only

Handling

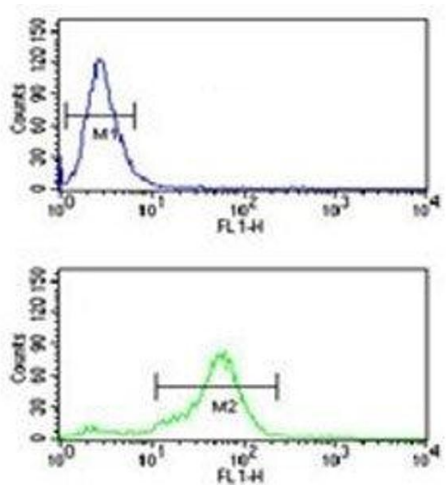
Format:	Liquid
Buffer:	In 1X PBS pH 7.4 with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the H4 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



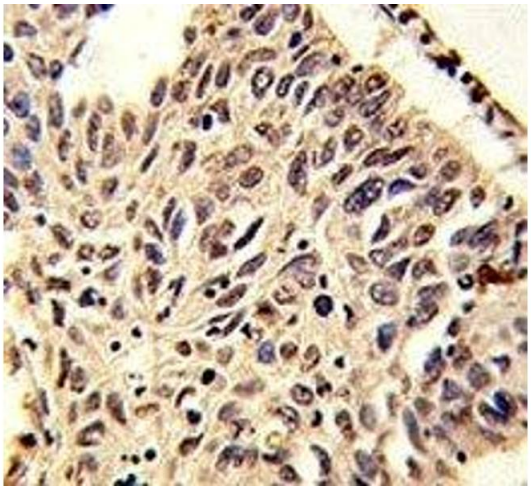
Dot Blot

Image 1. Dot blot analysis of H4 antibody (Methyl 2/methylation-specific). 50ng of methylation-peptide or Non methylation-peptide per dot were spotted.



Flow Cytometry

Image 2. H4 antibody flow cytometric analysis of NCI-H460 cells (bottom histogram) compared to a negative control (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



Immunohistochemistry

Image 3. IHC analysis of FFPE human lung carcinoma stained with H4 antibody

Please check the product details page for more images. Overall 7 images are available for ABIN3031210.