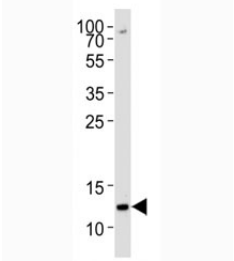
H4 Antibody / Methyl-Lys20 specific (F48612)

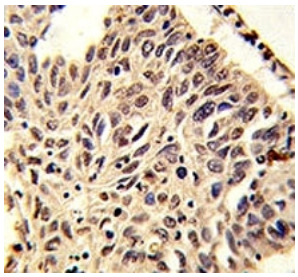
Catalog No.	Formulation	Size
F48612-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48612-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

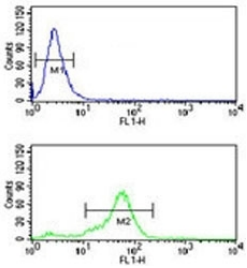
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P62805
Applications	Western Blot : 1:1000 Dot Blot : 1:500 IHC (Paraffin) : 1:50-1:100 Flow Cytometry : 1:10-1:50
Limitations	This H4 antibody is available for research use only.



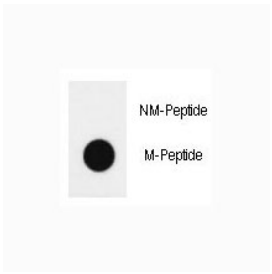
Western blot analysis of lysate from K562 cell line using H4 antibody diluted at 1:1000 for each lane.



IHC analysis of FFPE human lung carcinoma stained with H4 antibody



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.



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

Description

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 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.

Application Notes

Titration of the H4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids surrounding the K20 methylation site of the human protein were used as the immunogen for this Histone H4 antibody.

Storage

Aliquot the H4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.