abcam

ab218417

Anti-Histone H1 antibody [r1415-1]

Recombinant

Key facts

Isotype	IgG2a
Host species	Mouse
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.05% Sodium azide Constituents: PBS, 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Full Length Protein corresponding to Human H1-8. Database link Q8IZA3
Clone number	r1415-1
Purification technique	Affinity purification Protein A/G
Light chain type	kappa
Concentration	0.2 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	1-2 µg for 10^6 Cells
Notes	-

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Mouse
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1-2 µg/mL
Notes	-

Expected

Species	Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Mouse
Dilution info	-
Notes	-

IHC-P

Tested

Species	Rat
Dilution info	1-2 µg/mL
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Species	Human
Dilution info	1-2 µg/mL
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Predicted

Species	Mouse
Dilution info	-
Notes	-

Target data

See full target information H1-8

Function	May play a key role in the control of gene expression during oogenesis and early embryogenesis, presumably through the perturbation of chromatin structure. Essential for meiotic maturation of germinal vesicle-stage oocytes. The somatic type linker histone H1c is rapidly replaced by H1oo in a donor nucleus transplanted into an oocyte. The greater mobility of H1oo as compared to H1c may contribute to this rapid replacement and increased instability of the embryonic chromatin structure. The rapid replacement of H1c with H1oo may play an important role in nuclear remodeling (By similarity).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C

Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

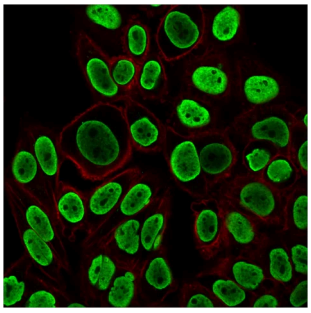
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

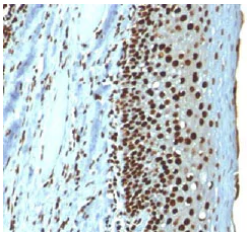
4 product images



Immunocytochemistry/ Immunofluorescence - Anti-Histone H1 antibody [r1415-1] (ab218417)

Histone H1 Immunocytochemistry/ Immunofluorescence staining using mouse Anti-Histone H1 antibody

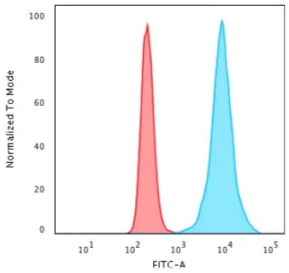
Immunocytochemistry analysis of PFA-fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells labeling Histone H1 with ab218417 followed by goat anti-Mouse IgG-CF488 (Green). Phalloidin (Red) is used to label cell membrane.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H1 antibody [r1415-1] (ab218417)

Histone H1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using mouse Anti-Histone H1 antibody

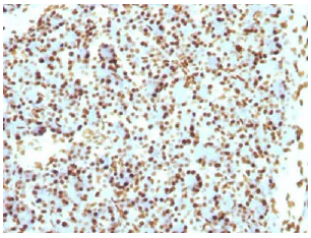
Immunohistochemical analysis of formalin fixed, paraffin embedded Human tonsil tissue labeling Histone H1 using ab218417 at 1 µg/ml.



Flow Cytometry - Anti-Histone H1 antibody [r1415-1] (ab218417)

Histone H1 Flow Cytometry staining using mouse Anti-Histone H1 antibody

Flow Cytometry analysis of HeLa (human epithelial cell line from cervix adenocarcinoma) cells labeling Histone H1 with ab218417 followed by goat anti-mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H1 antibody [r1415-1] (ab218417)

Histone H1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using mouse Anti-Histone H1 antibody

Immunohistochemical analysis of formalin fixed, paraffin embedded rat pancreas tissue labeling Histone H1 using ab218417 at 1 µg/ml.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.