abcam

ab216609

# Anti-Histone H1 antibody [HH1/957] - BSA and Azide free

## Key facts

| | |
|---|---|
| **Isotype** | IgG2a |
| **Host species** | Mouse |
| **Storage buffer** | pH: 7.2 - 7.4 Constituents: PBS |
| **Form** | Liquid |
| **Clonality** | Monoclonal |
| **Immunogen** | Recombinant Full Length Protein corresponding to Human H1-0. Database link P07305 |
| **Carrier free** | Yes |
| **Clone number** | HH1/957 |
| **Purification technique** | Affinity purification Protein A |
| **Light chain type** | kappa |
| **Concentration** | 1 mg/mL The concentration of this product may be batch-dependent<br>Batch concentration finder → |
| **Purification notes** | ab216608 was purified from Bioreactor Concentrate by Protein A/G. |

## Reactivity data

### IHC-P

**Tested**

| | |
|---|---|
| **Species** | Human |
| **Dilution info** | 0.5-1 µg/mL |
| **Notes** | (Primary incubation for 30 min at RT). |

| | |
|---|---|
| **Species** | Rat |
| **Dilution info** | 0.5-1 µg/mL |
| **Notes** | (Primary incubation for 30 min at RT). |

### Predicted

| | |
|---|---|
| **Species** | Mouse |
| **Dilution info** | - |
| **Notes** | - |

## ICC

### 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** | - |

## 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** | - |

## Target data

See full target information H1-0

**Function** Histone H1 protein binds to linker DNA between nucleosomes forming the macromolecular structure known as the chromatin fiber (PubMed:33238161). Histones H1 are necessary for the condensation of nucleosome chains into higher-order structured fibers and promote formation of the H3K27me3 mark by the PRC2/EED-EZH2 complex (PubMed:33238161). The histones H1.0 are found in cells that are in terminal stages of differentiation or that have low rates of cell division (PubMed:7374750).

## 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**

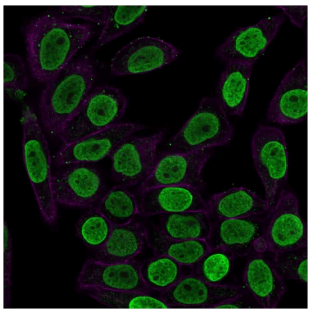
We do not recommend this combination. It is not covered by our product promise.

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.

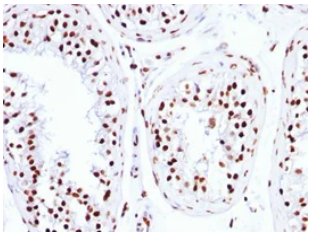
## 5 product images



### Immunocytochemistry - Anti-Histone H1 antibody [HH1/957] - BSA and Azide free (ab216609)

Histone H1 Immunocytochemistry staining using mouse Anti-Histone H1 antibody

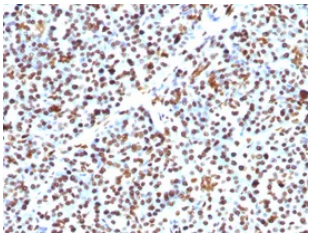
Immunocytochemistry analysis of HeLa cells labeling Histone H1 with ab216609 at 2ug/mL Green. Phalloidin is used to label the membranes.



## Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H1 antibody [HH1/957] - BSA and Azide free (ab216609)

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

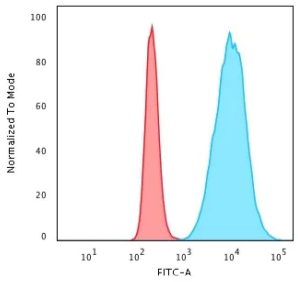
Formalin-fixed, paraffin-embedded human testicular carcinoma tissue stained for Histone H1 using ab216609 at 1 µg/ml in immunohistochemical analysis.



## Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H1 antibody [HH1/957] - BSA and Azide free (ab216609)

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

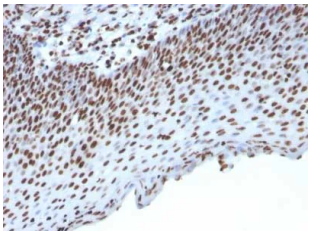
Formalin-fixed, paraffin-embedded human pancreas tissue stained for Histone H1 using ab216609 at 1 µg/ml in immunohistochemical analysis.




## Flow Cytometry - Anti-Histone H1 antibody [HH1/957] - BSA and Azide free (ab216609)

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

Flow Cytometry analysis of HeLa cells labeling Histone H1 with ab216609 at 2ug/million cells followed by goat anti-mouse IgG (Blue); Isotype Control (Red).



## Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H1 antibody [HH1/957] - BSA and Azide free (ab216609)

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

Formalin-fixed, paraffin-embedded human tonsil tissue stained for Histone H1 using ab216609 at 1 µg/ml in immunohistochemical analysis.

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