

## Product datasheet

# Anti-Histone H1.5 antibody ab24175

1 Abreviews 12 References 2 图像

### 概述

<b>产品名称</b>	Anti-Histone H1.5抗体
<b>描述</b>	兔多克隆抗体to Histone H1.5
<b>特异性</b>	This antibody is specific for Histone H1.5. Reacts with histone H1 acid-extracted from cell lines such as breast cancer cell line T47D. Also recognizes H1 in a nuclear extract or chromatin preparation. H1.5 is present in many human cell lines.
<b>经测试应用</b>	<b>适用于:</b> ICC/IF, WB, IP
<b>种属反应性</b>	<b>与反应:</b> Human
<b>免疫原</b>	Synthetic peptide: AETATPAPVEKSPAKKKATKKAAGAGAAK -C , corresponding to N terminal amino acids 7-35 of Human Histone H1.5 <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>阳性对照</b>	This antibody gave a positive result in IF/ICC when used in the following formaldehyde fixed cell lines: HepG2.
<b>常规说明</b>	ab24175 does not appear to work in IF in human or mouse cell lines.

### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Add glycerol to a final volume of 50% for extra stability and aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>存储溶液</b>	Constituents: 8% Glycerol
<b>纯度</b>	Protein A purified
<b>克隆</b>	多克隆
<b>同种型</b>	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab24175** in the following tested applications.

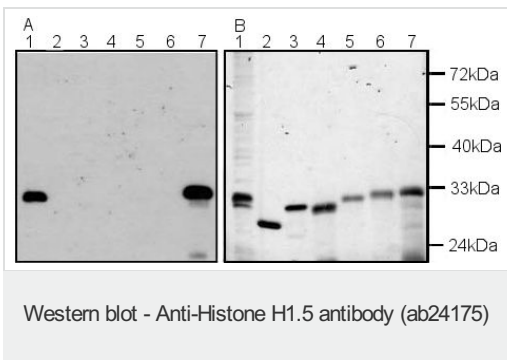
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ICC/IF		1/50. PubMed: 19336418
WB		1/500 - 1/1000. Detects a band of approximately 33 kDa (predicted molecular weight: 22 kDa).
IP		Use at an assay dependent dilution. PubMed: 21383955

## 靶标

功能	Histones H1 are necessary for the condensation of nucleosome chains into higher order structures.
序列相似性	Belongs to the histone H1/H5 family. Contains 1 H15 (linker histone H1/H5 globular) domain.
细胞定位	Nucleus. Chromosome.

## 图片



**Predicted band size : 22 kDa**

All lanes : Histone H1.5 antibody (ab24175)

Lane 1 : Chromatin preparation from a breast cancer cell line

Lane 2 : recombinant human H1.0

Lane 3 : recombinant human H1.1

Lane 4 : recombinant human H1.2

Lane 5 : recombinant human H1.3

Lane 6 : recombinant human H1.4

Lane 7 : recombinant human H1.5

Panel B is a silver stain of the gel in panel A.

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Lane 2 : recombinant human H1.0

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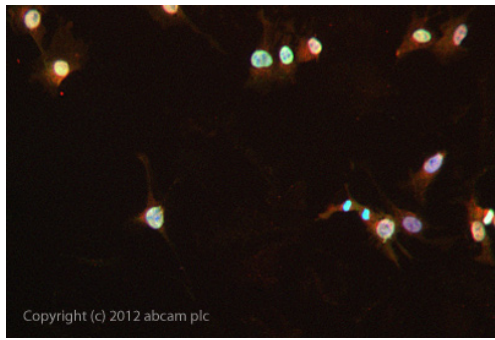
Lane 4 : recombinant human H1.2

Lane 5 : recombinant human H1.3

Lane 6 : recombinant human H1.4

Lane 7 : recombinant human H1.5

Panel B is a silver stain of the gel in panel A.



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Immunocytochemistry/ Immunofluorescence - Anti-Histone H1.5 antibody (ab24175)

ICC/IF image of ab24175 stained HepG2 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab24175 at 5µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- rabbit (ab96899) IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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