

**Histone Antibody (1F0)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP50646****Specification**

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**Histone Antibody (1F0) - Product Information**

Application	WB
Primary Accession	<a href="#">P07305</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21 19 KDa
Antigen Region	85-112

**Histone Antibody (1F0) - Additional Information****Gene ID** 3005**Other Names**

Histone H10, Histone H1', Histone H1(0), Histone H10, N-terminally processed, H1F0, H1FV

**Dilution**

WB~~1:1000

**Format**Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.**Storage Conditions**

-20°C

**Histone Antibody (1F0) - Protein Information****Name** H1-0 ([HGNC:4714](#))**Function**

Histones H1 are necessary for the condensation of nucleosome chains into higher-order structures. The histones H1.0 are found in cells that are in terminal stages of differentiation or that have low rates of cell division.

**Cellular Location**

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00837, ECO:0000269|PubMed:18993075}.

Chromosome {ECO:0000255|PROSITE- ProRule:PRU00837, ECO:0000269|PubMed:18993075}.

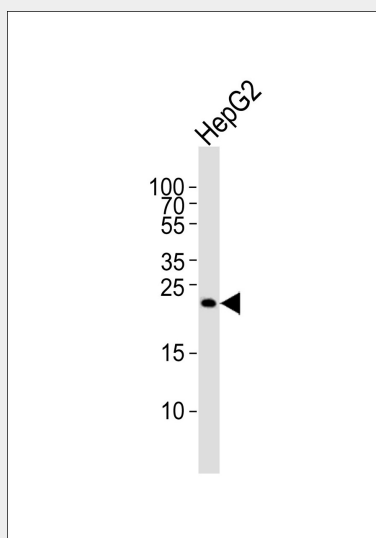
Note=The RNA edited version has been localized to nuclear speckles. During mitosis, it appears in the vicinity of condensed chromosomes

## Histone Antibody (1F0) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Histone Antibody (1F0) - Images



Western blot analysis of lysate from HepG2 cell line, using Histone Antibody (1F0)(AP50646). AP50646 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

## Histone Antibody (1F0) - Background

Histones H1 are necessary for the condensation of nucleosome chains into higher-order structures. The H1F0 histones are found in cells that are in terminal stages of differentiation or that have low rates of cell division.

## Histone Antibody (1F0) - References

Doenecke D., et al. J. Mol. Biol. 187:461-464(1986).  
Collins J.E., et al. Genome Biol. 5:R84.1-R84.11(2004).  
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Ota T., et al. Nat. Genet. 36:40-45(2004).  
Dunham I., et al. Nature 402:489-495(1999).