

Product datasheet

Anti-Histone H1.0 antibody ab154111

4 Images

Overview

Product name	Anti-Histone H1.0 antibody
Description	Rabbit polyclonal to Histone H1.0
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant fragment within Human Histone H1.0 aa 1-194. The exact sequence is proprietary. Database link: P07305
Positive control	HepG2 whole cell lysate; HepG2 nuclear lysate; U20S cells; SkHep1 xenograft; C2C12 xenograft
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab154111 in the following tested applications.

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

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 20 kDa.
IHC-P		1/100 - 1/1000.
ICC/IF		1/100 - 1/1000.

Target

Function

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.

Sequence similarities

Belongs to the histone H1/H5 family.
Contains 1 H15 (linker histone H1/H5 globular) domain.

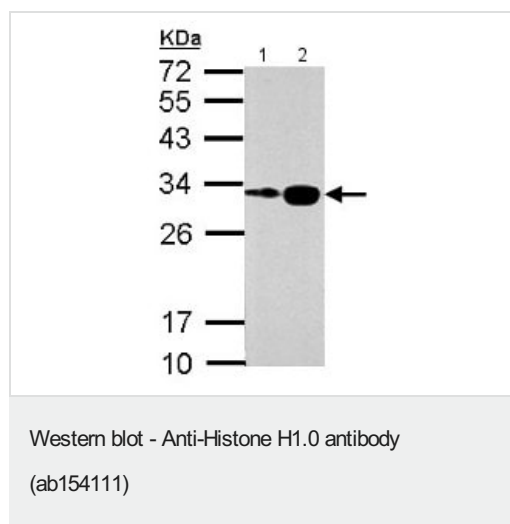
Post-translational modifications

Phosphorylated on Ser-17 in RNA edited version.

Cellular localization

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

Images



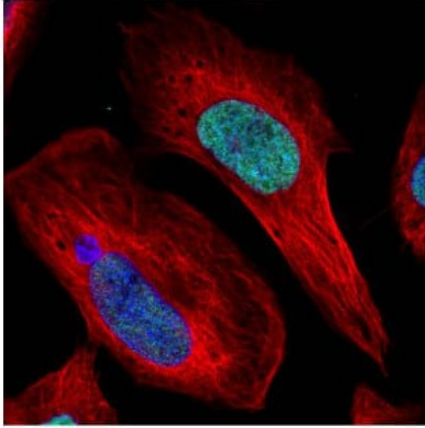
All lanes : Anti-Histone H1.0 antibody (ab154111) at 1/5000 dilution

Lane 1 : HepG2 whole cell lysate

Lane 2 : HepG2 nuclear lysate

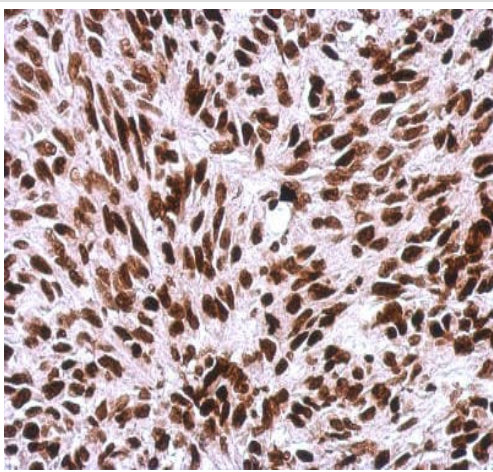
Lysates/proteins at 30 µg per lane.

Predicted band size: 20 kDa



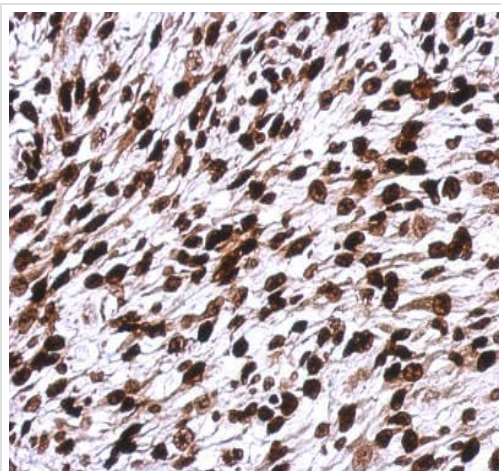
Immunocytochemistry/ Immunofluorescence - Anti-Histone H1.0 antibody (ab154111)

Immunofluorescent analysis of paraformaldehyde fixed U2OS cells labeling Histone H1 with ab154111 (green) at 1/500 dilution. Alpha tubulin filaments were labeled with an Alpha tubulin antibody (red) at 1/2000.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H1.0 antibody (ab154111)

Immunohistochemical analysis of paraffin embedded SkHep1 xenograft tissue labeling Histone H1 with ab154111 at 1/500 dilution.



Immunohistochemical analysis of paraffin embedded C2C12 xenograft tissue labeling Histone H1 with ab154111 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H1.0 antibody (ab154111)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors