

Product datasheet

Anti-Histone H1.3 antibody ab24174

★★★★★ [1 Abreviews](#) [13 References](#) [3 Images](#)

Overview

Product name	Anti-Histone H1.3 antibody
Description	Rabbit polyclonal to Histone H1.3
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF, WB
Species reactivity	Reacts with: Human, Recombinant fragment
Immunogen	Synthetic peptide: LAPTIPAPAEKTPVKKKAKKAGATAGK -C , corresponding to N terminal amino acids 7-33 of Human Histone H1.3 Run BLAST with Run BLAST with

General notes

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.

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Constituent: 20% Glycerol
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

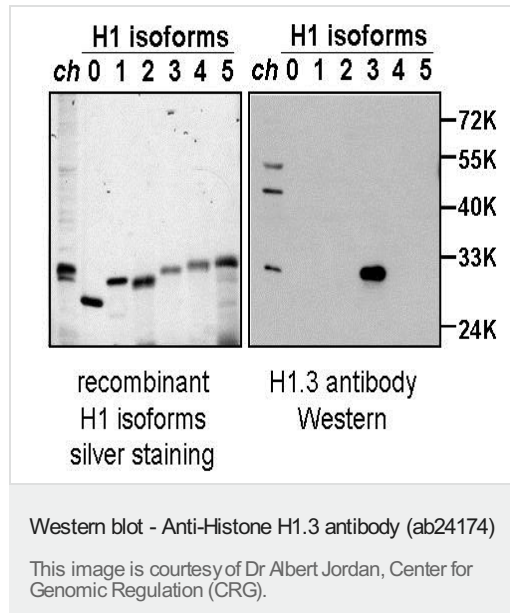
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab24174 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/50.
WB	★★★★★ (1)	1/500 - 1/1000. Detects a band of approximately 27 kDa (predicted molecular weight: 22 kDa). H1.3 is present in many human cell lines. Cross-reacts with bands of approx. 52kDa and 45kDa in nuclear extracts of T47D cell line.

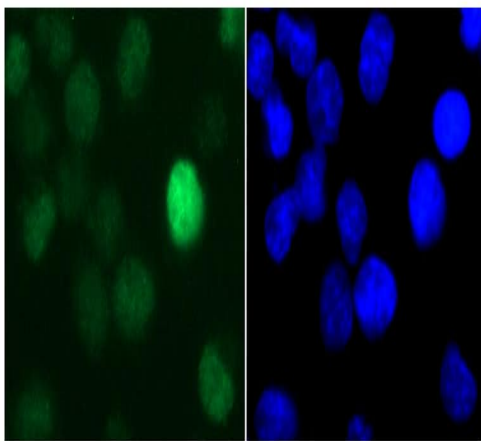
Target

Function	Histones H1 are necessary for the condensation of nucleosome chains into higher order structures.
Sequence similarities	Belongs to the histone H1/H5 family. Contains 1 H15 (linker histone H1/H5 globular) domain.
Cellular localization	Nucleus. Chromosome.

Images



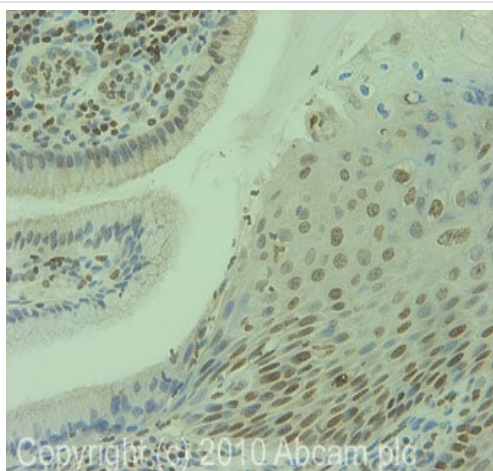
Rabbit polyclonal to Histone H1.3 against recombinant human H1 isoforms H1.0 to H1.5 as depicted in the figure or a chromatin preparation (ch) from a breast cancer cell line. Notice that extra bands are present/detected in the chromatin preparation.



Immunocytochemistry/ Immunofluorescence - Anti-Histone H1.3 antibody (ab24174)

This image is courtesy of Katia Ancelin

Human 293T cells fixed in 4% paraformaldehyde were immunostained with ab24174 (1/200) for Histone H1.3 and detected using FITC labelled anti-rabbit (Green). Nuclear DNA is stained blue with DAPI.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H1.3 antibody (ab24174)

IHC image of ab24174 staining in human cervical carcinoma formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab24174, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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

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