

Product datasheet

Anti-Histone H1.3 antibody [EPR12683] - BSA and Azide free ab203948

Recombinant RabMAb

5 Images

Overview

Product name	Anti-Histone H1.3 antibody [EPR12683] - BSA and Azide free
Description	Rabbit monoclonal [EPR12683] to Histone H1.3 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC, Flow Cyt, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human Histone H1.3 aa 1-100. The exact sequence is proprietary. Database link: P16402
Positive control	T47-D, HeLa & Jurkat cell lysates, Human cervix carcinoma tissue, HeLa & T47-D cells
General notes	Ab203948 is the carrier-free version of ab183736 . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

Use our [conjugation kits](#) for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

ab203948 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

Maxpar® is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#).

Properties

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR12683
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab203948** in the following tested applications.

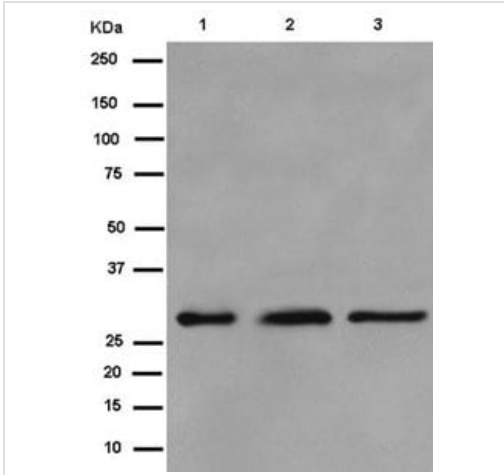
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 22 kDa.

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



Western blot - Anti-Histone H1.3 antibody [EPR12683] - BSA and Azide free (ab203948)

All lanes : Anti-Histone H1.3 antibody [EPR12683] ([ab183736](#)) at 1/5000 dilution

Lane 1 : T-47D cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : Jurkat cell lysate

Lysates/proteins at 20 µg per lane.

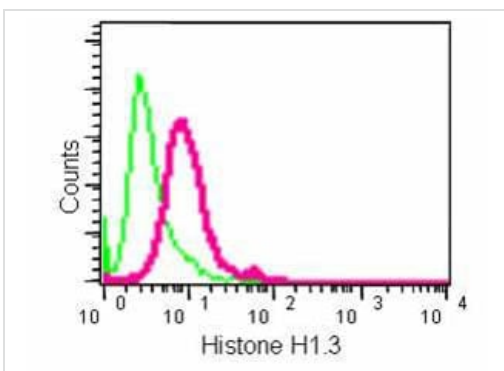
Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 22 kDa

This data was developed using [ab183736](#), the same antibody clone in a different buffer formulation.

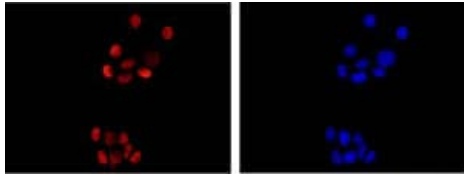
Blocking and dilution buffer: 5% NFD/MTBST.



Flow Cytometry - Anti-Histone H1.3 antibody [EPR12683] - BSA and Azide free (ab203948)

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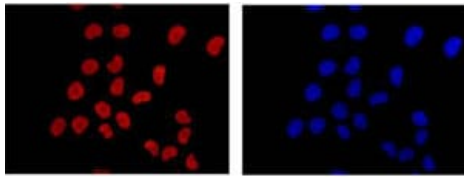
Flow cytometry analysis of HeLa cells using [ab183736](#) at 1/10 dilution. Secondary ab: Goat anti rabbit IgG (FITC) at 1/150 dilution. Fixative: 2% paraformaldehyde. Isotype control: Rabbit monoclonal IgG.



Immunocytochemistry - Anti-Histone H1.3 antibody
[EPR12683] - BSA and Azide free (ab203948)

This data was developed using [ab183736](#), the same antibody clone in a different buffer formulation.

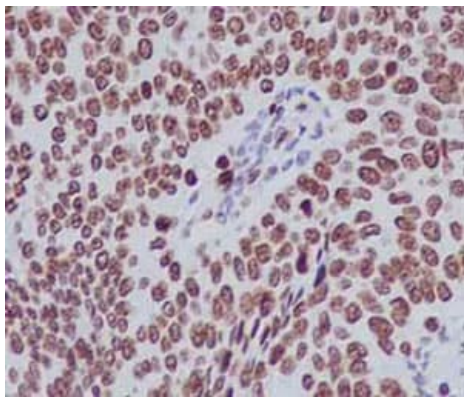
Immunofluorescence analysis of T47-D cells labeling Histone H1.3 with [ab183736](#) at 1/500 dilution. Secondary ab: Goat anti rabbit IgG (Alexa Fluor®555) at 1/200 dilution. Fixative: 4% paraformaldehyde. Counter stain: Dapi



Immunocytochemistry - Anti-Histone H1.3 antibody
[EPR12683] - BSA and Azide free (ab203948)

This data was developed using [ab183736](#), the same antibody clone in a different buffer formulation.

Immunofluorescence analysis of HeLa cells labeling Histone H1.3 with [ab183736](#) at 1/500 dilution. Secondary ab: Goat anti rabbit IgG (Alexa Fluor®555) at 1/200 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Histone H1.3 antibody
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This data was developed using [ab183736](#), the same antibody clone in a different buffer formulation.

Immunohistochemical analysis of paraffin-embedded Human cervix carcinoma tissue labeling Histone H1.3 with [ab183736](#) at 1/1000 dilution. Counter stain: Hematoxylin

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

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