

Product datasheet

Anti-NTH1 antibody [EPR15930] - BSA and Azide free ab236143

Recombinant RabMAb

5 Images

Overview

Product name	Anti-NTH1 antibody [EPR15930] - BSA and Azide free
Description	Rabbit monoclonal [EPR15930] to NTH1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment within Human NTH1 aa 1-150. The exact sequence is proprietary. Database link: P78549
Positive control	IHC-P: Human colon tissue.
General notes	<p>Ab236143 is the carrier-free version of ab191413. This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.</p> <p>Our carrier-free formats are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.</p> <p>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.</p> <p>ab236143 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm. <i>Maxpar® is a trademark of Fluidigm Canada Inc.</i></p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p>

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

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, as well as customer reviews and Q&As.

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	EPR15930
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab236143** in the following tested applications.

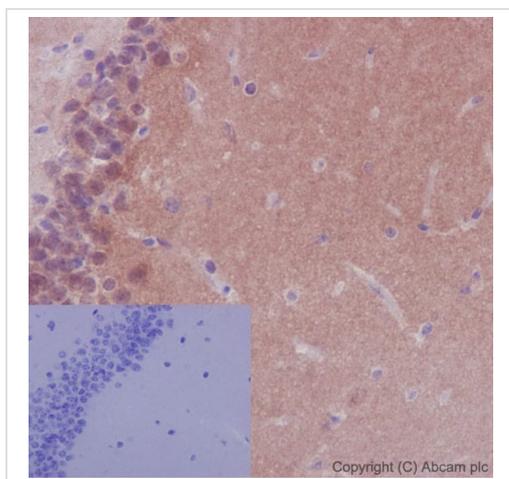
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
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.
WB		Use at an assay dependent concentration. Detects a band of approximately 34 kDa (predicted molecular weight: 34 kDa).

Target

Function	Has both an apurinic and/or apyrimidinic endonuclease activity and a DNA N-glycosylase activity. Incises damaged DNA at cytosines, thymines and guanines. Acts on a damaged strand, 5' from the damaged site. Required for the repair of both oxidative DNA damage and spontaneous mutagenic lesions.
Tissue specificity	Widely expressed with highest levels in heart and lowest levels in lung and liver.
Sequence similarities	Belongs to the Nth/MutY family.
Developmental stage	Expression levels are regulated during the cell cycle with increased levels during early and mid S-phase.
Cellular localization	Nucleus.

Images



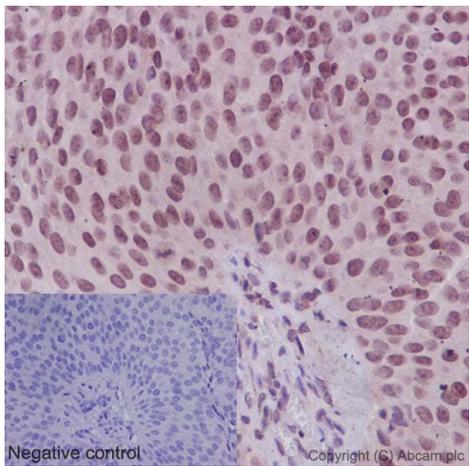
Immunohistochemical analysis of paraffin-embedded Mouse brain tissue labeling NTH1 with [ab191413](#) at 1/100 dilution, followed by prediluted HRP Polymer for Rabbit/Mouse IgG. Counter stained with Hematoxylin.

Negative control utilised PBS instead of [ab191413](#).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab191413](#)).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NTH1 antibody [EPR15930] - BSA and Azide free ([ab236143](#))

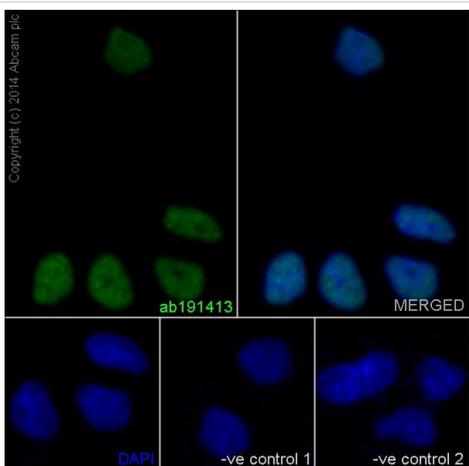


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NTH1 antibody [EPR15930] - BSA and Azide free (ab236143)

Immunohistochemical analysis of paraffin-embedded Human transitional cell carcinoma of bladder tissue labeling NTH1 with [ab191413](#) at 1/100 dilution, followed by prediluted HRP Polymer for Rabbit/Mouse IgG. Counter stained with Hematoxylin. Negative control utilised PBS instead of [ab191413](#).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab191413](#)).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

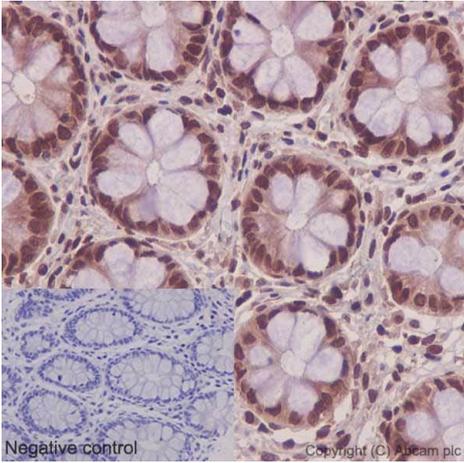


Immunocytochemistry/ Immunofluorescence - Anti-NTH1 antibody [EPR15930] - BSA and Azide free (ab236143)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% tritonX-100 permeabilized HeLa cells labeling NTH1 with [ab191413](#) at 1/150 dilution, followed by Goat anti rabbit IgG (Alexa Fluor488) secondary antibody at 1/200 dilution ([ab150077](#)). Nuclear counter stain is DAPI (blue).

The two negative controls are [ab191413](#) at 1/250 dilution followed by Goat anti mouse IgG (Alexa Fluor®594) secondary antibody at 1/400 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab191413](#)).



Immunohistochemical analysis of paraffin-embedded human colon tissue labeling NTH1 with [ab191413](#) at 1/100 dilution, followed by prediluted HRP Polymer for Rabbit/Mouse IgG. Counter stained with Hematoxylin.

Negative control utilized PBS instead of [ab191413](#).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab191413](#)).

Heat mediated antigen retrieval was performed with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NTH1 antibody [EPR15930] - BSA and Azide free ([ab236143](#))

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-NTH1 antibody [EPR15930] - BSA and Azide free ([ab236143](#))

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

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