

Product datasheet

Anti-hnRNP M1-M4 antibody [HL374] - BSA and Azide free ab264482

Recombinant

3 Images

Overview

Product name	Anti-hnRNP M1-M4 antibody [HL374] - BSA and Azide free
Description	Mouse monoclonal [HL374] to hnRNP M1-M4 - BSA and Azide free
Host species	Mouse
Tested applications	Suitable for: ICC/IF, WB Unsuitable for: IP
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is considered to be commercially sensitive.
Positive control	WB: HeLa and MCF7 whole cell lysate. ICC/IF: HeLa cells.
General notes	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>ab264482 is the carrier-free version of ab255958. 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>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm.</p> <p><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>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	HL374
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab264482** 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 a concentration of 9.26 µg/ml.
WB		Use a concentration of 0.463 µg/ml. Predicted molecular weight: 78 kDa.
Application notes		Is unsuitable for IP.

Target

Function Pre-mRNA binding protein in vivo, binds avidly to poly(G) and poly(U) RNA homopolymers in vitro.

Involved in splicing. Acts as a receptor for carcinoembryonic antigen in Kupffer cells, may initiate a series of signaling events leading to tyrosine phosphorylation of proteins and induction of IL-1 alpha, IL-6, IL-10 and tumor necrosis factor alpha cytokines.

Sequence similarities

Contains 3 RRM (RNA recognition motif) domains.

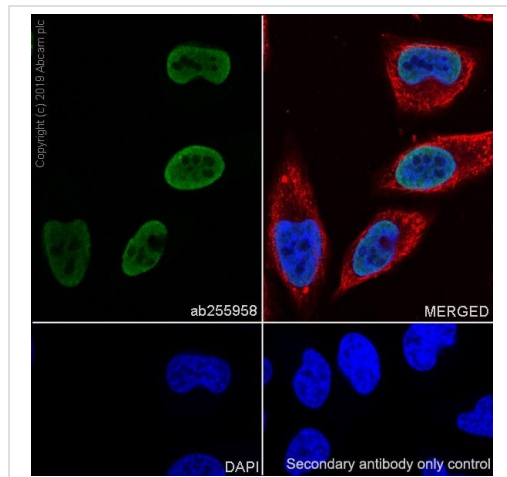
Post-translational modifications

Sumoylated.

Cellular localization

Nucleus > nucleolus.

Images

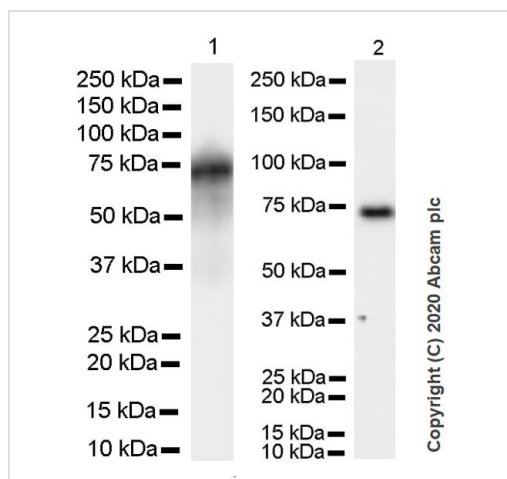


Immunocytochemistry/ Immunofluorescence - Anti-hnRNP M1-M4 antibody [HL374] - BSA and Azide free (ab264482)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HeLa (human cervix adenocarcinoma epithelial cell) cells labeling hnRNP M1-M4 with [ab255958](#) at 9.26µg/ml, followed by Goat Anti-Rat IgG (Alexa Fluor® 488) ([ab150157](#)) secondary antibody at 1/1000 dilution (green). Confocal image showing nuclear staining in HeLa cell line. The nuclear counterstain is DAPI (blue).

Tubulin is detected with [ab195889](#) Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) at 1/200 dilution, followed by Goat Anti-Rabbit IgG (Alexa Fluor® 594) ([ab150080](#)) secondary antibody at 1/1000 dilution (red).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab255958](#)).



Western blot - Anti-hnRNP M1-M4 antibody [HL374] - BSA and Azide free (ab264482)

All lanes : Anti-hnRNP M1-M4 antibody [HL374] - BSA and Azide free (ab264482) at 0.463 µg/ml

Lane 1 : HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 2 : MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Peroxidase-Conjugated Goat anti-Mouse IgG (H+L) at 1/5000 dilution


Predicted band size: 78 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.

Exposure time: Lane 1: 1 sec; Lane 2: 3 secs.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab255958](#)).

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-hnRNP M1-M4 antibody [HL374] - BSA and Azide free (ab264482)

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

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