abcam

Product datasheet

Alexa Fluor® 488 Anti-hnRNP A2B1 antibody [EPR24002-81] ab302973

Recombinant RabMAb

5 Images

Overview

Product name	Alexa Fluor® 488 Anti-hnRNP A2B1 antibody [EPR24002-81]
Description	Alexa Fluor® 488 Rabbit monoclonal [EPR24002-81] to hnRNP A2B1
Host species	Rabbit
Conjugation	Alexa Fluor® 488. Ex: 495nm, Em: 519nm
Specificity	ab302973 does not react in IHC-P with mouse and rat species.
Tested applications	**Suitable for:** IHC-P, ICC/IF
Species reactivity	**Reacts with:** Mouse, Human **Does not react with:** Rat
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human colon and stomach tissues. ICC/IF: HeLa (Human cervix adenocarcinoma epithelial cell) and NIH/3T3 (mouse embryonic fibroblast).
General notes	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**. Alexa Fluor® is a registered trademark of Molecular Probes, Inc, a Thermo Fisher Scientific Company. The Alexa Fluor® dye included in this product is provided under an intellectual property license from Life Technologies Corporation. As this product contains the Alexa Fluor® dye, the purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). As this product contains the Alexa Fluor® dye the sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: in manufacturing; (ii) to provide a service, information, or data in return for payment (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are sold for use in research.

For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or **outlicensing@thermofisher.com**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: 68% PBS, 30% Glycerol (glycerin, glycerine), 1% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR24002-81
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab302973 in the following tested applications.

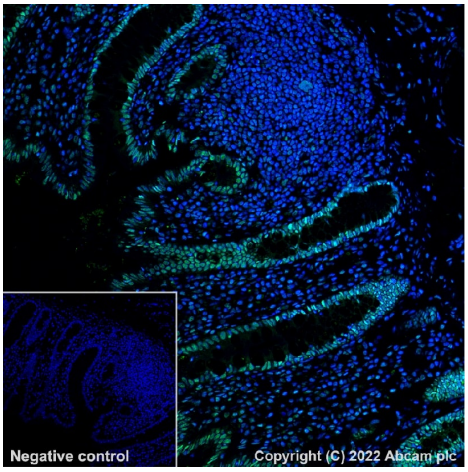
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/100.

Target

Function	Involved with pre-mRNA processing. Forms complexes (ribonucleosomes) with at least 20 other different hnRNP and heterogeneous nuclear RNA in the nucleous.
Sequence similarities	Contains 2 RRM (RNA recognition motif) domains.
Cellular localization	Nucleus > nucleoplasm. Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Component of ribonucleosomes. Predominantly nucleoplasmic, however isoform A2 is also found in the cytoplasm of cells in some tissues. Not found in the nucleolus.

Images

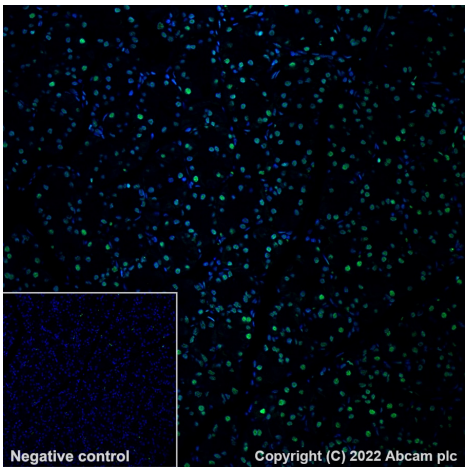


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Alexa Fluor® 488 Anti-hnRNP A2B1 antibody [EPR24002-81] (ab302973)

Immunohistochemical analysis of paraffin-embedded human colon tissue labeling hnRNP A2B1 with ab302973 at 1/100 dilution (5.0 µg/mL). Nuclear staining on human colon is observed. The section was incubated with ab302973 at 4°C overnight (shown in green). Nuclear DNA was labeled with DAPI (shown in blue). The section was then mounted using Fluoromount®. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Negative control: Antibody diluent in place of primary.

Heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0) was used.

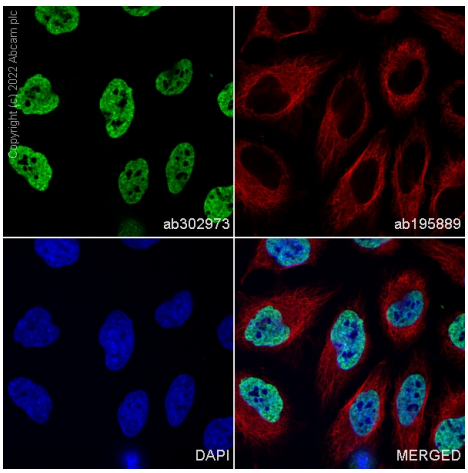


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Alexa Fluor® 488 Anti-hnRNP A2B1 antibody [EPR24002-81] (ab302973)

Immunohistochemical analysis of paraffin-embedded human stomach tissue labeling hnRNP A2B1 with ab302973 at 1/100 dilution (5.0 µg/mL). Nuclear staining on human stomach is observed. The section was incubated with ab302973 at 4°C overnight (shown in green). Nuclear DNA was labelled with DAPI (shown in blue). The section was then mounted using Fluoromount®. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

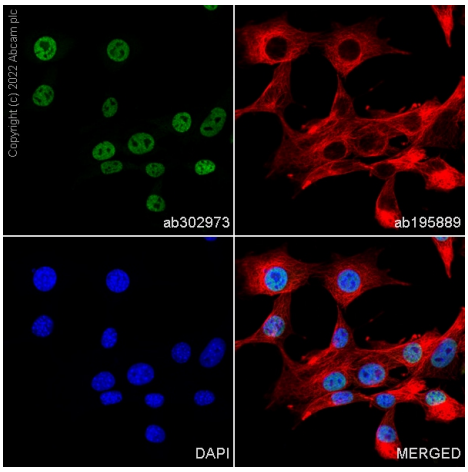
Negative control: Negative control: Antibody diluent in place of primary.

Heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0) was used.



Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 488 Anti-hnRNP A2B1 antibody [EPR24002-81] (ab302973)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling hnRNP A2B1 with ab302973 at 1/100 dilution (10.0 µg/ml) (Green). Confocal image showing nuclear staining in HeLa cells. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8). **ab195889** Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (2.5 µg/ml) (Red). The Nuclear counterstain was DAPI (Blue).



Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 488 Anti-hnRNP A2B1 antibody [EPR24002-81] (ab302973)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized NIH/3T3 (mouse embryonic fibroblast) cells labeling hnRNP A2B1 with ab302973 at 1/100 dilution (10.0 µg/ml) (Green). Confocal image showing nuclear staining in NIH/3T3 cells. Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8). **ab195889** Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (2.5 µg/ml) (Red). The Nuclear counterstain was DAPI (Blue).

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