

Anti-Mitofusin 1 antibody - N-terminal ab191853

[1 References](#) [2 Images](#)

Overview

Product name	Anti-Mitofusin 1 antibody - N-terminal
Description	Rabbit polyclonal to Mitofusin 1 - N-terminal
Host species	Rabbit
Specificity	ab191853 is predicted to not cross-react with Mitofusin 2.
Tested applications	Suitable for: ICC, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human Mitofusin 1 (N terminal). The exact sequence is proprietary. Peptide corresponds to 17 amino acids near the amino terminus (NP_284941). Database link: Q8IWA4
Positive control	A431 cells and cell lysate.
General notes	<p>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.</p> <p>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</p>

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.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: 99% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab191853 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		Use a concentration of 5 µg/ml.
WB		Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 83 kDa (predicted molecular weight: 84 kDa).

Target

Function

Essential transmembrane GTPase, which mediates mitochondrial fusion. Fusion of mitochondria occurs in many cell types and constitutes an important step in mitochondria morphology, which is balanced between fusion and fission. MFN1 acts independently of the cytoskeleton. Overexpression induces the formation of mitochondrial networks.

Tissue specificity

Ubiquitous. Expressed at slightly higher level in kidney and heart. Isoform 2 may be overexpressed in some tumors, such as lung cancers.

Sequence similarities

Belongs to the mitofusin family.

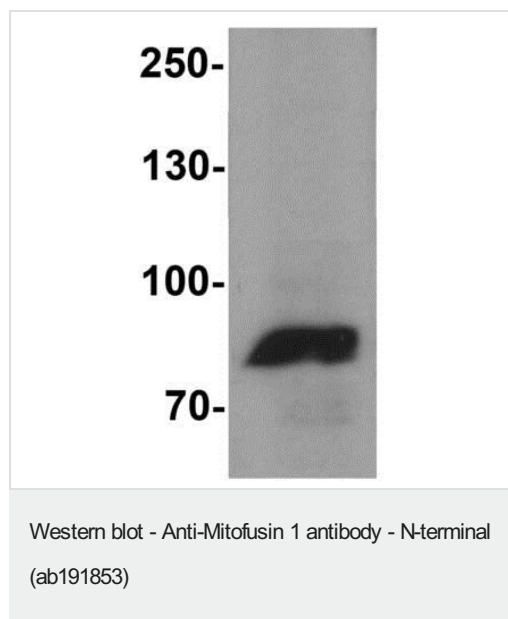
Post-translational modifications

Ubiquitinated by MARCH5.

Cellular localization

Cytoplasm and Mitochondrion outer membrane.

Images



Anti-Mitofusin 1 antibody - N-terminal (ab191853) at 1 µg/ml + A431 cell lysate at 15 µg

Developed using the ECL technique.

Predicted band size: 84 kDa

Observed band size: 83 kDa



Immunocytochemistry analysis of A431 cells, labeling Mitofusin 1 using ab191853 at 5 µg/mL.

Immunocytochemistry - Anti-Mitofusin 1 antibody -
N-terminal (ab191853)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors