

Product datasheet

Anti-MDFIC antibody ab198847

2 Images

Overview

Product name	Anti-MDFIC antibody
Description	Rabbit polyclonal to MDFIC
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human MDFIC (internal sequence). The exact sequence is proprietary. Database link: Q9P1T7
Positive control	Human colon cancer tissue, Human thyroid cancer tissue
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: 7.4 Preservative: 0.05% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab198847 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		1/25 - 1/100.

Target

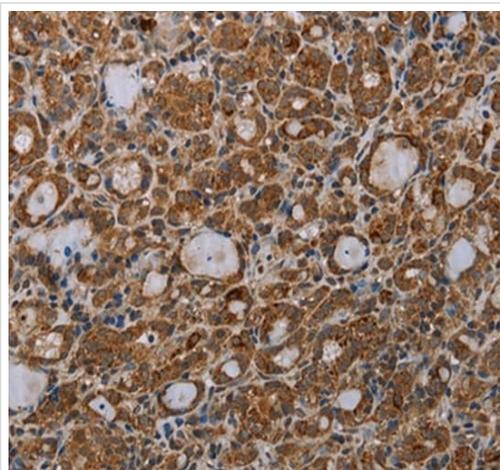
Relevance

MDFIC is a cellular factor capable of modulating the expression of cellular and viral promoters. Its synthesis is controlled at the translational level by two different codons, an ATG and an upstream non-ATG translational initiator, allowing the production of two protein isoforms that present different subcellular localizations, p32 (isoform 2) being mainly distributed throughout the cytoplasm, whereas p40 (isoform 1) is targeted to the nucleolus. MDFIC is known to down-regulate Tat-dependent transcription of HIV-1 LTR by interacting with HIV-1 Tat and Rev proteins and impairing their nuclear import (possibly by rendering the NLS domains inaccessible to importin-beta) and stimulate activation of human T-cell leukaemia virus type I (HTLV-I) LTR. In human cells, MDFIC binds to the axin complex, resulting in an increase in the level of free beta-catenin; it affects axin regulation of the WNT and JNK signalling pathways.

Cellular localization

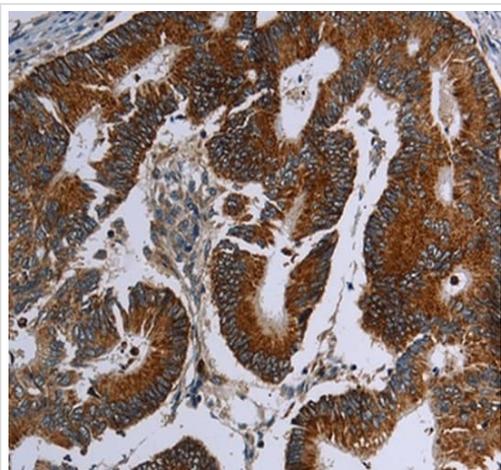
Cytoplasmic and Nuclear

Images



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue labeling MDFIC with ab198847 at 1/25.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MDFIC antibody (ab198847)



Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue labeling MDFIC with ab198847 at 1/25.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MDFIC antibody (ab198847)

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