


Product datasheet

Anti-MTUS1 antibody ab198176

2 References 2 Images

Overview

Product name	Anti-MTUS1 antibody
Description	Rabbit polyclonal to MTUS1
Host species	Rabbit
Specificity	ab198176 detects endogenous levels of total MTUS1 protein.
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Full length protein corresponding to Human MTUS1. The identity of the protein fusion partner is GST. Database link: Q9ULD2
Positive control	Human thyroid cancer and breast cancer tissues.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <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.</p> <p>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.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>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.</p> <p>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.</p> <p>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.</p>

Properties

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: 50% Glycerol (glycerin, glycerine), 49% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab198176** in the following tested applications.

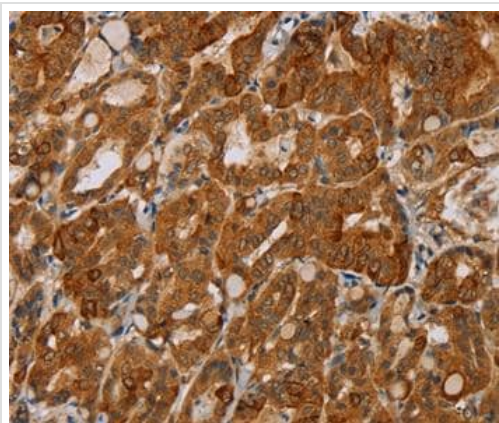
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

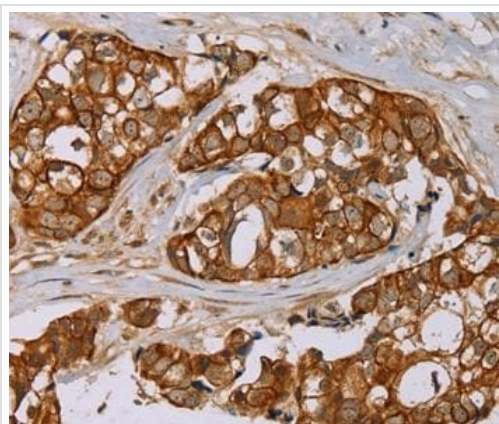
Relevance	Multiple alternatively spliced transcript variants encoding different isoforms have been found for the MTUS1 (Mitochondrial tumor suppressor 1) gene. One of the transcript variants has been shown to encode a mitochondrial protein that acts as a tumor suppressor and cooperates with the angiotension II (AT2) receptor (AGTR2) to inhibit ERK2 activation and cell proliferation. MTUS1 polypeptides are identical in their carboxy-terminal region carrying four coiled-coil domains. In their amino-terminal portion, MTUS1 polypeptides exhibit distinct motifs for localisation in the cytosol, nucleus or cell membrane, suggesting that MTUS1 gene products may be involved in a variety of intracellular functions in an AT2-dependent and independent manner.
Cellular localization	Cell Membrane, Golgi Apparatus, Mitochondrial and Nuclear. Note=In neurons, translocates into the nucleus after treatment with angiotensin-II.

Images



Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue labeling MTUS1 using ab198176 at a 1/40 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MTUS1 antibody (ab198176)



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue labeling MTUS1 using ab198176 at a 1/40 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MTUS1 antibody (ab198176)

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

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