


Anti-NIT1 antibody ab198203

3 Images

Overview

Product name	Anti-NIT1 antibody
Description	Rabbit polyclonal to NIT1
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment (GST-tag) corresponding to Human NIT1 (internal sequence). Database link: Q86X76-5
Positive control	Human prostate cancer and liver cancer tissues; Human placenta tissue and fetal liver tissue lysates.
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: 50% Glycerol (glycerin, glycerine), 49% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab198203 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.
WB		1/200 - 1/1000. Predicted molecular weight: 26 kDa.

Target

Function

Plays a role in cell growth and apoptosis: loss of expression promotes cell growth and resistance to DNA damage stress. Has tumor suppressor properties that enhances the apoptotic responsiveness in cancer cells; this effect is additive to the tumor suppressor activity of FHIT. It is also a negative regulator of primary T-cells. Has apparently no omega-amidase activity such as NIT2.

Tissue specificity

Detected in heart, brain, placenta, liver, skeletal muscle, kidney and pancreas.

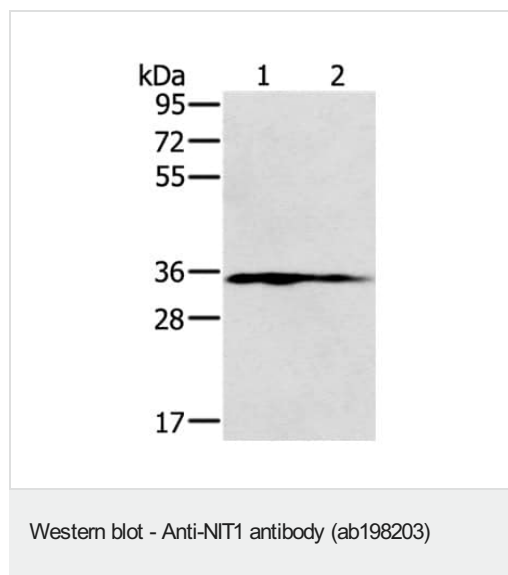
Sequence similarities

Belongs to the carbon-nitrogen hydrolase superfamily. NIT1/NIT2 family.
Contains 1 CN hydrolase domain.

Cellular localization

Cytoplasm. Mitochondrion.

Images



All lanes : Anti-NIT1 antibody (ab198203) at 1/250 dilution

Lane 1 : Human placenta tissue lysate

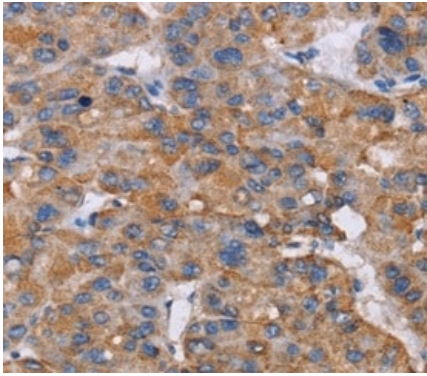
Lane 2 : Human fetal liver tissue lysate

Lysates/proteins at 40 µg per lane.

Predicted band size: 26 kDa

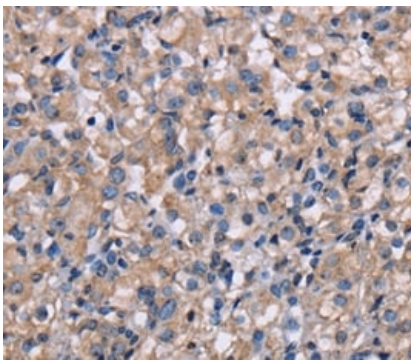
Exposure time: 2 minutes

8% SDS-PAGE



Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue labeling NIT1 with ab198203 at a 1/50 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NIT1 antibody (ab198203)



Immunohistochemical analysis of paraffin-embedded Human prostate cancer tissue labeling NIT1 with ab198203 at a 1/50 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NIT1 antibody (ab198203)

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

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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