

Product datasheet

Anti-FDFT1 antibody [EPR16481] ab195046

Recombinant RabMAb

[10 References](#) [7 Images](#)

Overview

Product name	Anti-FDFT1 antibody [EPR16481]
Description	Rabbit monoclonal [EPR16481] to FDFT1
Host species	Rabbit
Tested applications	Suitable for: IP, IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human fetal brain and fetal spleen lysate. HepG2 whole cell lysate (ab7900). Mouse brain, rat spleen, rat kidney and RAW264.7 cell lysate. Human lung squamous carcinoma tissue. Human sebaceous carcinoma tissue. A431 cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 40% Glycerol, PBS, 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR16481

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab195046 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
IP		1/70.
IHC-P		1/16000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Predicted molecular weight: 48 kDa.

Target

Pathway

Terpene metabolism; lanosterol biosynthesis; lanosterol from farnesyl diphosphate: step 1/3.

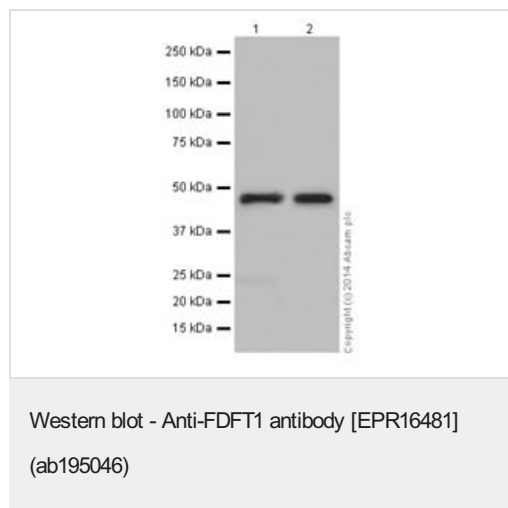
Sequence similarities

Belongs to the phytoene/squalene synthase family.

Cellular localization

Endoplasmic reticulum membrane.

Images



All lanes : Anti-FDFT1 antibody [EPR16481] (ab195046) at 1/10000 dilution

Lane 1 : Human fetal brain lysate

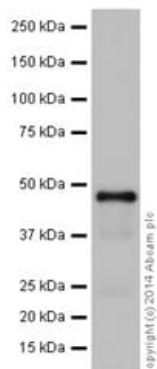
Lane 2 : Human fetal spleen lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 48 kDa



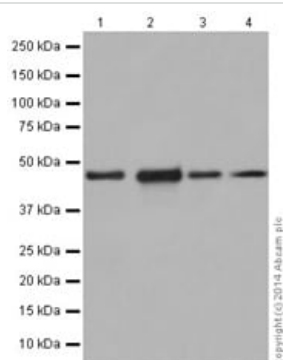
Western blot - Anti-FDFT1 antibody [EPR16481]
(ab195046)

Anti-FDFT1 antibody [EPR16481] (ab195046) at 1/10000 dilution +
HepG2 cell lysate at 10 µg

Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at
1/1000 dilution

Predicted band size: 48 kDa



Western blot - Anti-FDFT1 antibody [EPR16481]
(ab195046)

All lanes : Anti-FDFT1 antibody [EPR16481] (ab195046) at
1/1000 dilution

Lane 1 : Mouse brain lysate

Lane 2 : Rat kidney lysate

Lane 3 : Rat spleen lysate

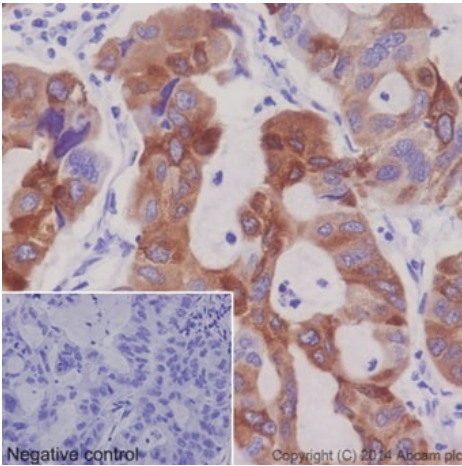
Lane 4 : RAW264.7 lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at
1/1000 dilution

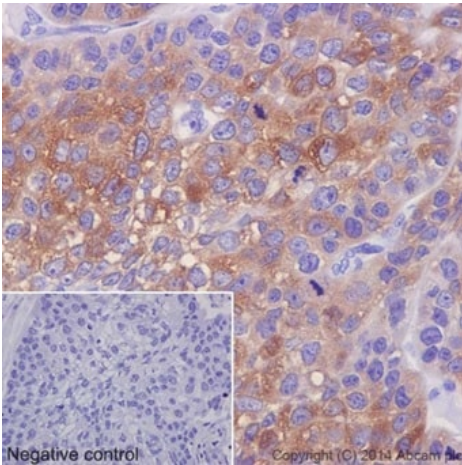
Predicted band size: 48 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FDFT1 antibody [EPR16481] (ab195046)

Immunohistochemical analysis of paraffin-embedded human lung squamous carcinoma tissue sections labeling FDFT1 with ab195046 at a 1/16000 dilution. Goat anti-rabbit IgG H&L (HRP) **ab97051** used as the secondary at a 1/500 dilution. Counterstain hematoxylin.

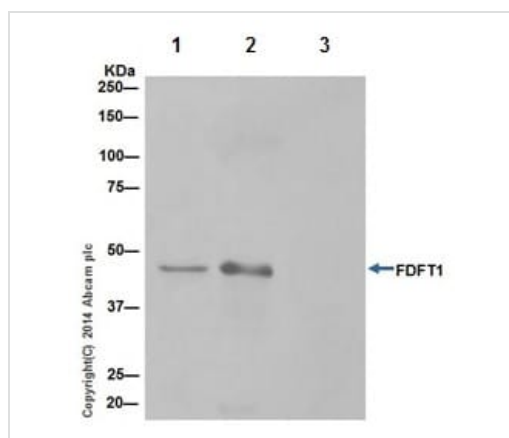
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FDFT1 antibody [EPR16481] (ab195046)

Immunohistochemical analysis of paraffin-embedded human sebaceous carcinoma tissue sections labeling FDFT1 with ab195046 at a 1/16000 dilution. Goat anti-rabbit IgG H&L (HRP) **ab97051** used as the secondary at a 1/500 dilution. Counterstain hematoxylin.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.







Immunoprecipitation - Anti-FDFT1 antibody
[EPR16481] (ab195046)

FDFT1 was immunoprecipitated from HepG2 whole cell extract with ab195046 at 1/70 dilution. Western blot was performed from the immunoprecipitate using ab195046 at 1/10000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution. Lane 1: HepG2 whole cell extract (Input) 10 µg. Lane 2: ab195046 IP in HepG2 whole cell extract. Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab195046 in HeLa whole cell extract.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-FDFT1 antibody [EPR16481] (ab195046)

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

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