


Anti-FH/Fumarase antibody ab95950

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

Overview

Product name	Anti-FH/Fumarase antibody
Description	Rabbit polyclonal to FH/Fumarase
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow, Zebrafish 
Immunogen	Recombinant fragment corresponding to Human FH/Fumarase aa 89-335.
Positive control	293T and A431 whole cell lysates OVCAR3 xenograft 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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab95950 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
WB		1/500 - 1/3000. Predicted molecular weight: 55 kDa.
IHC-P		1/100 - 1/500.

Target

Function

Also acts as a tumor suppressor.

Pathway

Carbohydrate metabolism; tricarboxylic acid cycle; (S)-malate from fumarate: step 1/1.

Involvement in disease

Defects in FH are the cause of fumarase deficiency (FHD) [MIM:606812]; also known as fumaricaciduria. FHD is characterized by progressive encephalopathy, developmental delay, hypotonia, cerebral atrophy and lactic and pyruvic acidemia.

Defects in FH are the cause of multiple cutaneous and uterine leiomyomata (MCUL1) [MIM:150800]. MCUL1 is an autosomal dominant condition in which affected individuals develop benign smooth muscle tumors (leiomyomata) of the skin. Affected females also usually develop leiomyomata of the uterus (fibroids).

Defects in FH are the cause of hereditary leiomyomatosis and renal cell cancer (HLRCC) [MIM:605839].

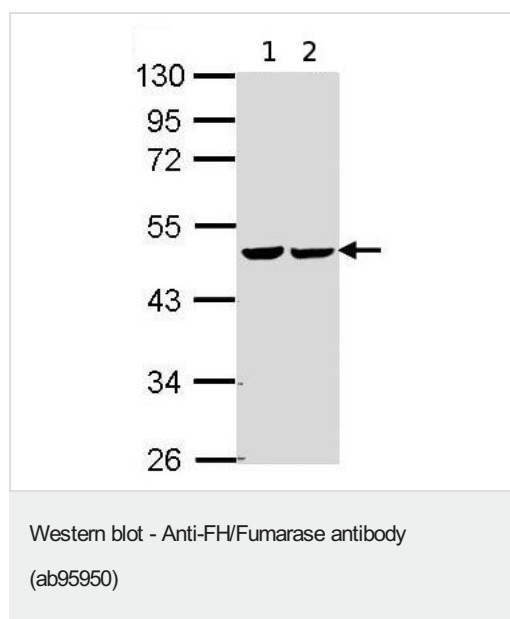
Sequence similarities

Belongs to the class-II fumarase/aspartase family. Fumarase subfamily.

Cellular localization

Cytoplasm and Mitochondrion.

Images



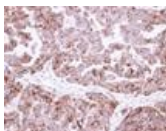
All lanes : Anti-FH/Fumarase antibody (ab95950) at 1/5000 dilution

Lane 1 : 293T whole cell lysate

Lane 2 : A431 whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 55 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FH/Fumarase antibody (ab95950)

ab95950 at a 1:500 dilution, staining human FH/Fumarase in OVCAR3 xenograft, using Immunohistochemistry, Formalin/PFA-fixed paraffin-embedded tissue.

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

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