

Datasheet for ABIN2856710

anti-FH antibody

5 Images

1 Publication

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Overview

Quantity:	100 µL
Target:	FH
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FH antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Fumarate hydratase. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to Fumarate hydratase (fumarate hydratase) Fumarate hydratase antibody
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	FH
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Target Details

Alternative Name:	fumarate hydratase (FH Products)
Background:	<p>The protein encoded by this gene is an enzymatic component of the tricarboxylic acid (TCA) cycle, or Krebs cycle, and catalyzes the formation of L-malate from fumarate. It exists in both a cytosolic form and an N-terminal extended form, differing only in the translation start site used. The N-terminal extended form is targeted to the mitochondrion, where the removal of the extension generates the same form as in the cytoplasm. It is similar to some thermostable class II fumarases and functions as a homotetramer. Mutations in this gene can cause fumarase deficiency and lead to progressive encephalopathy.</p> <p>Cellular Localization: Mitochondrion , Cytoplasm</p>
Molecular Weight:	55 kDa
Gene ID:	2271
UniProt:	P07954

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: mouse liver , rat liver , 293T Validation: KO/KD
Restrictions:	For Research Use only

Handling

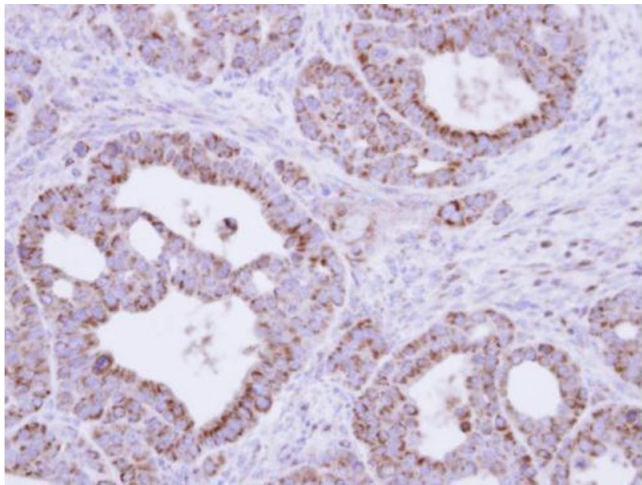
Format:	Liquid
Concentration:	1.49 mg/mL
Buffer:	1XPBS (pH 7), 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

multiple freeze-thaw cycles.

Publications

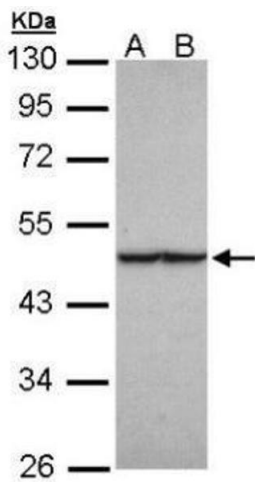
Product cited in: Miettinen, Felisiak-Golabek, Wasag, Chmara, Wang, Butzow, Lasota: "Fumarase-deficient Uterine Leiomyomas: An Immunohistochemical, Molecular Genetic, and Clinicopathologic Study of 86 Cases." in: **The American journal of surgical pathology**, Vol. 40, Issue 12, pp. 1661-1669, (2017) ([PubMed](#)).

Images



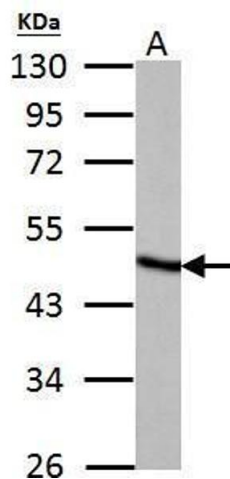
Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded NCIN87 xenograft, using fumarate hydratase , antibody at 1:500 dilution.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: HeLa B: Hep G2 , 10% SDS PAGE antibody diluted at 1:1000



Western Blotting

Image 3. WB Image Fumarate hydratase antibody detects Fumarate hydratase protein by Western blot analysis. A.50 μ g rat liver lysate/extract 10 % SDS-PAGE Fumarate hydratase antibody , dilution: 1:5000

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2856710.