

Mouse Fumarase Monoclonal Antibody | anti-FH antibody

Anti-Fumarase Antibody

CATALOG # AAA293382	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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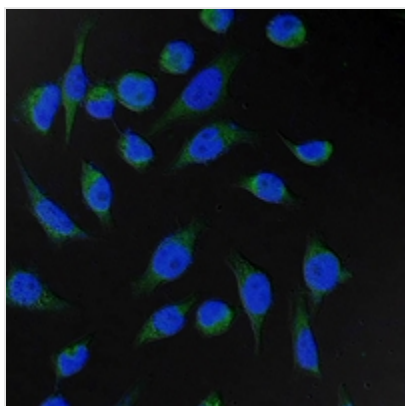
PRODUCT SYNONYMS

Fumarase; Monoclonal Antibody; Anti-Fumarase Antibody; Fumarate hydratase mitochondrial; anti-FH antibody

PRODUCT SPECIFICATIONS

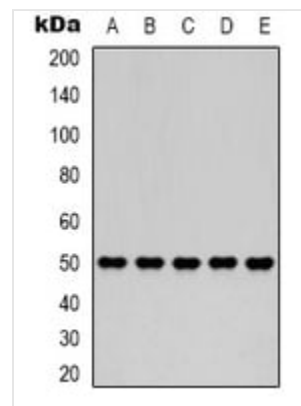
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Specificity	Recognizes endogenous levels of Fumarase protein.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Applicable Applications for anti-FH antibody	IC (Immunochemistry), IF (Immunofluorescence), WB (Western Blot)
Tissue Location	Expressed in red blood cells; underexpressed in red blood cells (cytoplasm) of patients with hereditary non-spherocytic hemolytic anemia of unknown etiology.
Notes	ECO:0000303 PubMed:27037871, ECO:0000312 HGNC: HGNC:3700
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Dilution: IF WB (1/1000 - 1/3000), IF/IC (1/100 - 1/200) Immunofluorescent analysis of Fumarase staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 degree C in a humidified chamber. Cells were washed with PBST and incubated with a FITC-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



WB (Western Blot)

Dilution: WB (1/1000 - 1/3000), IF/IC (1/100 - 1/200) Western blot analysis of Fumarase expression in 293T (A), HepG2 (B), HeLa (C), mouse brain (D), rat brain (E) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-FH antibody	Mouse monoclonal antibody to Fumarase KLH-conjugated synthetic peptide encompassing a sequence of human Fumarase. The exact sequence is proprietary. Catalyzes the reversible stereospecific interconversion of fumarate to L-malate (PubMed:30761759). Experiments in other species have demonstrated that specific isoforms of this protein act in defined pathways and favor one direction over the other (Probable).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19743875
NCBI GeneID	2271
NCBI Accession #	NP_000134.2
NCBI GenBank Nucleotide #	NM_000143.3
UniProt Accession #	P07954
Molecular Weight	54,637 Da
NCBI Official Full Name	fumarate hydratase, mitochondrial
NCBI Official Synonym Full Names	fumarate hydratase
NCBI Official Symbol	FH
NCBI Official Synonym Symbols	MCL; LRCC; HLRCC; MCUL1
NCBI Protein Information	fumarate hydratase, mitochondrial; fumarase
UniProt Protein Name	Fumarate hydratase, mitochondrial
UniProt Gene Name	FH
UniProt Synonym Gene Names	Fumarase
UniProt Entry Name	FUMH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/fumarase-antibody-immunochemistry-immunofluorescence-western-blot-elisa/293382>