

Mouse FH Monoclonal Antibody | anti-FH antibody

FH antibody

CATALOG # AAA106545	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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PRODUCT SYNONYMS

FH; Monoclonal Antibody; FH antibody; Monoclonal FH; Anti-FH; Fumarate Hydratase; Fumarase; HLRCC; LRCC; MCu1; anti-FH antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1F10
Purity/Purification	FH antibody was purified by affinity chromatography.
Form/Format	Liquid in PBS, pH 7.3, with 1% BSA, 50% glycerol and 0.02% NaN ³
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	510
Applicable Applications for anti-FH antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	FH 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.
Cross-Reactivity	Human, Dog, Rat
Immunogen	Full length human recombinant protein of human FH (NP_000134) produced in HEK293T cell
Preparation and Storage	Store at 4°C short term, -20°C long term. Avoid repeated freeze/thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow Cytometric analysis of HEK293T cells transfected with either recombinant FH protein (red) or empty vector (blue) stained using FH antibody



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant FH protein using FH antibody

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of FH protein in paraffin embedded Human Kidney tissue using FH antibody

**WB (Western Blot)**

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant FH protein (Right) or empty vector (Left) detected with FH antibody

ADDITIONAL INFORMATION

Related Product Information for anti-FH antibody	Mouse monoclonal FH antibody
Product Categories/Family for anti-FH antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	19743875
NCBI GeneID	2271
NCBI Accession #	NP_000134.2
NCBI GenBank Nucleotide #	NM_000143.3
NCBI Official Full Name	fumarate hydratase, mitochondrial
NCBI Official Synonym Full Names	fumarate hydratase
NCBI Official Symbol	FH
NCBI Official Synonym Symbols	MCL; FMRD; LRCC; HLRCC; MCUL1
NCBI Protein Information	fumarate hydratase, mitochondrial
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/fh-antibody-clone-1f10-western-blot-immunohistochemistry-immunofluorescence-elisa/106545>