DATASHEET

Fumarase Mouse Monoclonal Antibody(C2131)

CAT. NO. AMA01743

KEY FEATURES

Target	Fumarase	Source / Host	Mouse
Reactivity	Human, Mouse, Rat	Clonality	Monoclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Catalyzes the reversible stereospecific interconversion of fumarate to L-malate . Experiments in other species have demonstrated that specific isoforms of this protein act in defined pathways and favor one direction over the other (Probable).

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:1000 - 1:3000
IF/ICC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal antibody to Fumarase
Specificity	Recognizes endogenous levels of Fumarase protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence of human Fumarase. The exact sequence is proprietary.
Purification	Affinity chromatography
Molecular Weight	Predicted: 54 kD; Observed: 48 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Fumarate hydratase mitochondrial; Fumarase
Gene Symbol	FH
Entrez Gene	2271(Human); 14194(Mouse)
SwissProt	P07954(Human); P97807(Mouse); P14408(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

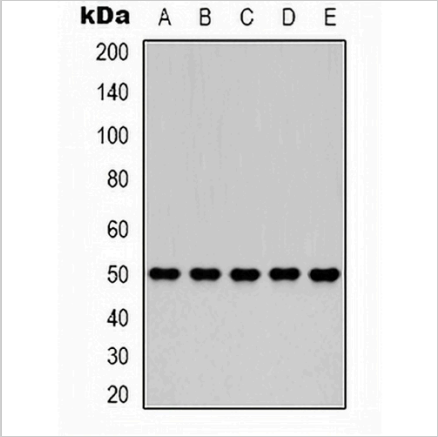
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

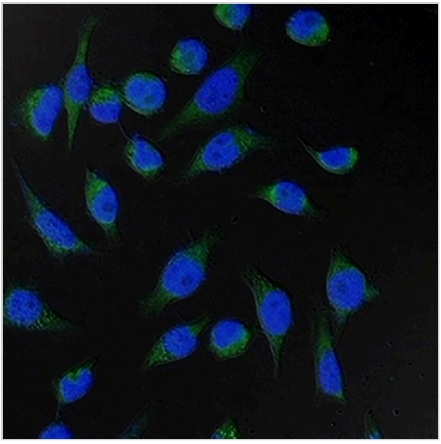
Fumarase Mouse Monoclonal Antibody(C2131)

CAT. NO. AMA01743

DATA



Western blot analysis of Fumarase expression in 293T (A), HepG2 (B), Hela (C), mouse brain (D), rat brain (E) whole cell lysates. (Predicted band size: 54 kD; Observed band size: 48 kD)



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 °C in a hidified 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).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.