

ARG57146 anti-FH / Fumarase antibody [3F6]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [3F6] recognizes FH / Fumarase
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	3F6
Isotype	IgG2a, kappa
Target Name	FH / Fumarase
Species	Human
Immunogen	Recombinant fragment around aa. 44-510 of Human FH / Fumarase
Conjugation	Un-conjugated
Alternate Names	MCUL1; MCL; LRCC; EC 4.2.1.2; Fumarate hydratase, mitochondrial; FMRD; Fumarase; HLRCC

Application Instructions

Application table	Application	Dilution
	FACS	Assay-dependent
	ICC/IF	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

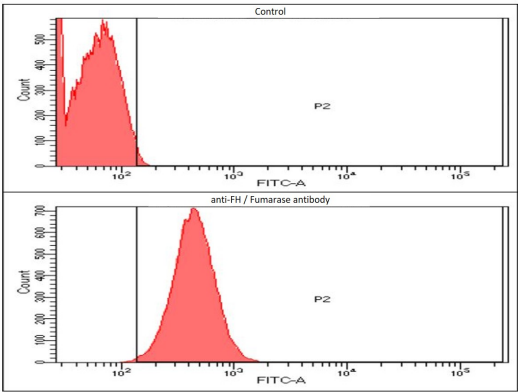
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

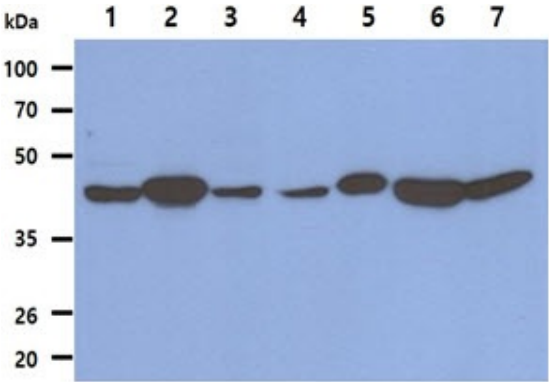
Database links	GeneID: 2271 Human Swiss-port # P07954 Human
Gene Symbol	FH
Gene Full Name	fumarate hydratase
Background	The protein encoded by this gene is an enzymatic component of the tricarboxylic acid (TCA) cycle, or Krebs cycle, and catalyzes the formation of L-malate from fumarate. It exists in 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. [provided by RefSeq, Jul 2008]
Function	Also acts as a tumor suppressor. [UniProt]
Highlight	Related products: Fumarase antibodies: Fumarase ELISA Kits: Anti-Mouse IgG secondary antibodies: Related news: TCA intermediate fumarate promotes mitobiogenesis
Calculated Mw	55 kDa

Images



ARG57146 anti-FH / Fumarase antibody [3F6] FACS image

Flow Cytometry: HeLa cell line stained with ARG57146 anti-FH / Fumarase antibody [3F6] at 2-5 μ g for 1×10^6 cells. Secondary antibody: Goat anti-Mouse IgG Alexa fluor 488 conjugate.



ARG57146 anti-FH / Fumarase antibody [3F6] WB image

Western blot: 40 μ g of 1) HeLa, 2) LNCap, 3) A549, 4) HepG2, 5) 293T, 6) K562, and 7) Jurkat cell lysates stained with ARG57146 anti-FH / Fumarase antibody [3F6] at 1:1000.