

ARG55318 anti-FH / Fumarase antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FH / Fumarase
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FH / Fumarase
Species	Human
Immunogen	Recombinant protein of Human FH (NP_000134.2)
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
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	THP-1	

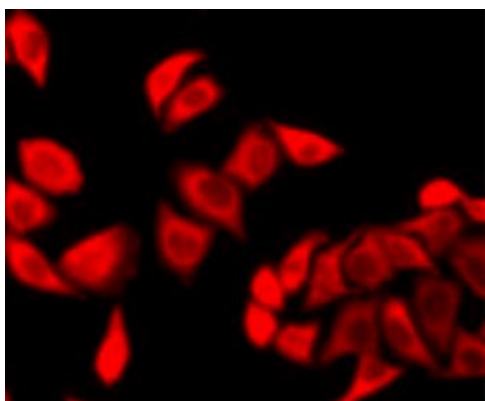
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

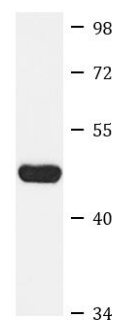
Database links	GeneID: 2271 Human Swiss-port # P07954 Human
Gene Symbol	FH
Gene Full Name	fumarate hydratase
Background	The protein encoded by this gene is an enzymatic component of the tricarboxylic acid (TCA) cycle, or Krebs cycle, and catalyzes the formation of L-malate from fumarate. It exists in 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-Rabbit IgG secondary antibodies ; Related news: TCA intermediate fumarate promotes mitobiogenesis
Research Area	Cancer antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	55 kDa

Images



ARG55318 anti-FH / Fumarase antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG55318 anti-FH / Fumarase antibody.



THP-1

ARG55318 anti-FH / Fumarase antibody WB image

Western blot: THP-1 cell lysate stained with ARG55318 anti-FH / Fumarase antibody.