

KD-Validated Anti-FumaRate HydRatase Mouse Monoclonal Antibody

Mouse monoclonal antibody

Catalog # AGI2055

Product Information

Application	WB, FC, ICC
Primary Accession	P07954
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Names	24GB13010
Calculated MW	54637
Gene Name	FH
Aliases	FH; FumaRate HydRatase; Fumarase; FumaRate HydRatase, Mitochondrial; EC 4.2.1.2 HsFH; Epididymis Secretory Sperm Binding Protein; HLRCC; MCUL1; FMRD; LRCC; MCL
Immunogen	Recombinant protein of human FH

Additional Information

Gene ID	2271
Other Names	Fumarate hydratase, mitochondrial, Fumarase {ECO:0000303 PubMed:27037871, ECO:0000303 PubMed:3828494, ECO:0000303 Ref.2}, HsFH, 4.2.1.2, FH {ECO:0000303 PubMed:27037871, ECO:0000312 HGNC:HGNC:3700}

Protein Information

Name	FH {ECO:0000303 PubMed:27037871, ECO:0000312 HGNC:HGNC:3700}
Function	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).
Cellular Location	[Isoform Mitochondrial]: Mitochondrion
Tissue Location	Expressed in red blood cells; underexpressed in red blood cells (cytoplasm) of patients with hereditary non-spherocytic hemolytic anemia of unknown etiology.