



Mouse anti-Human FH polyclonal antibody (DPAB-DC993)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	FH (AAH03108, 33 a.a. ~ 510 a.a) full-length recombinant protein with GST tag. The sequence is VPSFWPPNAARMASQNSFRIEYDTFGELKVPNDKYYGAQTVRSTMNFKIGGVTERMPTPV IKAFGILKRAAAEVNQDYGLDPKIANAIMKAADEVAEGKLNDFPLVWVQTGSGTQTNMN VNEVISNRAIEMLGELGSKIPVHPNDHVNKSQSSNDTFPTAMHIAAAIEVHEVLLPGLQ KLHDALDAKSKEFAQIIKIGRTHQTDAVPLTLGQEFSGYVQVKYAMTRIKAAMPRIYEL AAGGTAVGTGLNTRIGFAEKVAAKVAALTGLPFVTAPNKFEALAAHDALVELSGAMNTTA CSLMKIANDIRFLGSGPRSGLGELILPENEPGSSIMPGKVNPTQCEAMTMVAAQVMGNHV AVTVGGSSNGHFELNVFKPMMIKNVLHSARLLGDASVSFTENCVVG
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol

Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	FH fumarate hydratase [Homo sapiens (human)]
Official Symbol	FH
Synonyms	FH; fumarate hydratase; MCL; LRCC; HLRCC; MCUL1; fumarate hydratase, mitochondrial; fumarase;
Entrez Gene ID	2271
Protein Refseq	NP_000134
UniProt ID	P07954
Chromosome Location	1q42.1
Pathway	Carbon metabolism; Citrate cycle (TCA cycle); Citrate cycle (TCA cycle, Krebs cycle); Citrate cycle, second carbon oxidation, 2-oxoglutarate =>
Function	fumarate hydratase activity;