

DNAxPAb

Hard-to-Find
Antibody

FH DNAxPab

Catalog # H00002271-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human FH DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	VPSFWPPNAARMASQNSFRIEYDTFGELKVPNDKYYGAQTVRSTMNFKIGGVTERMPTPVIKAFGI LKRAAAEVNQDYGLDPKIANAIMKAADEVAEGKLNDHFPLVVWQTGSGTQTNMNVNEVISNRAIE MLGGELGSKIPVHPNDHVNKSQSSNDTFPTAMHIAAAIEVHEVLLPGLQKLHDALDAKSKEFAQIIK IGRTHQTDAVPLTLGQEFSGYVQQVKYAMTRIKAAMPRIYELAAGGTAVGTGLNTRIGFAEKVAAKV AALTGLPFVTPAPNKFEALAAHDALVELSGAMNTTACSLMKIANDIRFLGSGPRSGLGELILPENEP GSSIMPGKVNPTQCEAMTMVAAQVMGNHVAVTVGGSNHGFELNVFKPMMIKNVLHSARLLGDA SVSFTENCVVGIQANTERINKLMNESLMLVTALNPHIGYDKAAKIAKTAHKNGSTLKETAIELGYLTA EQFDEWVKPKDMLGPK
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — FH

Entrez GeneID [2271](#)

GeneBank Accession# [BC003108](#)

Protein Accession# [AAH03108](#)

Gene Name FH

Gene Alias HLRCC, LRCC, MCL, MCUL1

Gene Description fumarate hydratase

Omim ID [136850](#) [150800](#) [605839](#) [606812](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations OTTHUMP00000037573|fumarase|multiple hereditary cutaneous leiomyomata

Pathway

- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Citrate cycle \(TCA cycle\)](#)
- [Metabolic pathways](#)
- [Pathways in cancer](#)
- [Reductive carboxylate cycle \(CO2 fixation\)](#)

- [Renal cell carcinoma](#)

Disease

- [Adrenal Gland Neoplasms](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Neoplasms](#)
- [Leiomyoma](#)
- [Leiomyomatosis](#)
- [Multiple Sclerosis](#)
- [Narcolepsy](#)
- [Paranglioma](#)
- [Pheochromocytoma](#)
- [Prostatic Neoplasms](#)
- [Uterine Neoplasms](#)