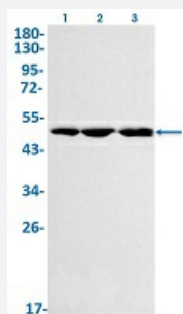


RecomAb™

# FH recombinant monoclonal antibody, clone R08-3F2

Catalog # RAB02281      Size 100 uL

## Applications



### Western Blot

Western Blot analysis of Lane 1: CHO-K1, Lane 2: C6 and Lane 3: Jurkat lysates with FH recombinant monoclonal antibody, clone R08-3F2 (Cat # RAB02281).

## Specification

|                      |                                                                                                                                      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Product Description  | Rabbit recombinant monoclonal antibody raised against human FH.                                                                      |
| Antibody Species     | Rabbit                                                                                                                               |
| Immunogen            | Original antibody is raised against a synthetic peptide corresponding to human FH.                                                   |
| Theoretical MW (kDa) | Calculated MW: 55 kD                                                                                                                 |
| Reactivity           | Hamster, Human, Mouse, Rat                                                                                                           |
| Form                 | Liquid                                                                                                                               |
| Purification         | Affinity purification                                                                                                                |
| Isotype              | IgG                                                                                                                                  |
| Recommend Usage      | Immunofluorescence (1:50-1:200)<br>Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer       | In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)                                          |

**Storage Instruction**

Store at -20 °C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western Blot analysis of Lane 1: CHO-K1, Lane 2: C6 and Lane 3: Jurkat lysates with FH recombinant monoclonal antibody, clone R08-3F2 (Cat # RAB02281).

- Immunofluorescence

## Gene Info — FH

**Entrez GeneID**[2271](#)**Protein Accession#**[P07954](#)**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](#)
- [Paraganglioma](#)
- [Pheochromocytoma](#)
- [Prostatic Neoplasms](#)
- [Uterine Neoplasms](#)