# Fumarate Hydratase/FH Monoclonal Antibody

**catalog number: AN200077P**

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

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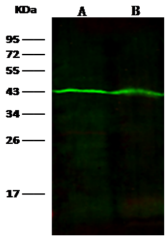
|---|---|
| **Reactivity** | Human |
| **Immunogen** | Recombinant Human Fumarate Hydratase / FH protein |
| **Host** | Mouse |
| **Isotype** | IgG1 |
| **Clone** | 5B13 |
| **Purification** | Protein A |
| **Buffer** | 0.2 μm filtered solution in PBS |

| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:500-1:1000 |

## Data




Western Blot with Fumarate Hydratase / FH Monoclonal Antibody at dilution of 1:500. Lane A: Hela Whole Cell Lysate, Lane B: 293T Whole Cell Lysate, Lysates/proteins at 30 μg per lane.

**Observed-MW:47 kDa**

**Calculated-MW:55 kDa**

## Preparation & Storage

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|---|---|
| **Storage** | This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃. Preservative-Free. Avoid repeated freeze-thaw cycles. |
| **Shipping** | Ice bag |

## 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.


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