

FH rabbit pAb

Cat No.: ES20754

For research use only

Overview

Product Name FH rabbit pAb

Host species Rabbit
Applications WB

Species Cross-Reactivity Human; Mouse; Rat

Recommended dilutions WB: 1:1000

Immunogen Recombinant Protein of Fumarate hydratase,

mitochondrial

Specificity The antibody detects endogenous fumarase

proteins.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name Fumarate hydratase, mitochondrial

Gene Name FH

Cellular localization [Isoform Mitochondrial]: Mitochondrion .; [Isoform

Cytoplasmic]: Cytoplasm, cytosol . Nucleus . Chromosome . Translocates to the nucleus in response to DNA damage: localizes to DNA double-strand breaks (DSBs) following

phosphorylation by PRKDC. .

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal

Concentration

Observed band 50kD Human Gene ID 2271 Human Swiss-Prot Number P07954

Alternative Names Fumarate hydratase, mitochondrial (Fumarase) (EC

4.2.1.2)

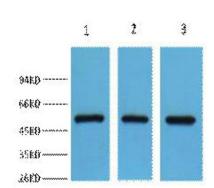
Background The protein encoded by this gene is an enzymatic

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. [provided by RefSeq, Jul 2008],



+86-27-59760950

Western blot analysis of 1) Hela, 2) Mouse Brain, 3) HepG2, diluted at 1:2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

