



FH rabbit pAb

Cat No.:ES20754

For research use only

Overview

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|--------------------------|--|
| 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],

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

