

## DATASHEET

# FDFT1 Rabbit Monoclonal Antibody(C1462)

CAT. NO. AMA01074

### KEY FEATURES

|               |  |               |              |
|---------------|--|---------------|--------------|
| Target        | FDFT1  | Source / Host | Rabbit       |
| Reactivity    | Human  | Clonality     | Monoclonal   |
| Applications  | WB   | Conjugation   | Unconjugated |
| Form / Buffer | Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide. | Storage       | at-20°C      |

### BACKGROUND

Catalyzes the condensation of 2 farnesyl pyrophosphate (FPP) moieties to form squalene. Proceeds in two distinct steps. In the first half-reaction, two molecules of FPP react to form the stable presqualene diphosphate intermediate (PSQPP), with concomitant release of a proton and a molecule of inorganic diphosphate. In the second half-reaction, PSQPP undergoes heterolysis, isomerization, and reduction with NADPH or NADH to form squalene. It is the first committed enzyme of the sterol biosynthesis pathway.

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

|    |                |
|----|----------------|
| WB | 1:500 - 1:1000 |
|----|----------------|

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

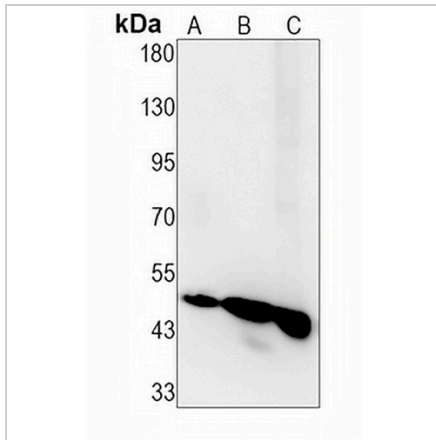
|                   |   |
|-------------------|---|
| Description       | Recombinant rabbit monoclonal antibody to FDFT1   |
| Specificity       | Recognizes endogenous levels of FDFT1 protein   |
| Antibody Type     | Primary antibody, Recombinant   |
| Immunogen         | KLH-conjugated synthetic peptide encompassing a sequence within human FDFT1 protein. The exact sequence is proprietary. |
| Purification      | The antibody was purified by immunogen affinity chromatography.   |
| Molecular Weight  | Predicted: 48 kD; Observed: 48 kD   |
| Form/Buffer       | Liquid in PBS, pH 7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.  |
| Alternative Names | Squalene synthase; SQS; SS; FPP:FPP farnesyltransferase; Farnesyl-diphosphate farnesyltransferase                       |
| Gene Symbol       | FDFT1   |
| Entrez Gene       | 2222(Human)   |
| SwissProt         | P37268(Human)   |

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of FDFT1 expression in HEK293T (A), HepG2 (B), K562 (C) whole cell lysates. (Predicted band size: 48 kD; Observed band size: 48 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.