

FDFT1 Antibody

Rabbit mAb Catalog # AP92089

Specification

FDFT1 Antibody - Product Information

Application WB, IHC, ICC, IP

Primary Accession P37268
Reactivity Rat

Clonality Monoclonal

Other Names

DGPT; ERG9; FDFT1; SQS; Squalene synthase; SS;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 48115 Da

FDFT1 Antibody - Additional Information

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

FDFT1

Description Critical branch point enzyme of isoprenoid

biosynthesis that is thought to regulate the flux of isoprene intermediates through

the sterol pathway.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline ,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

FDFT1 Antibody - Protein Information

Name FDFT1

Function

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.

Cellular Location

Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q02769}; Multi-pass membrane protein

Tissue Location



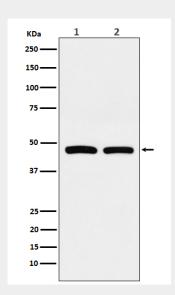
Widely expressed..

FDFT1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

FDFT1 Antibody - Images



Western blot analysis of FDFT1 expression in (1) HepG2 cell lysate; (2) RAW264.7 cell lysate.