

### **Anti-FDFT1 Monoclonal Antibody**

Catalog # ABO14774

## Specification

# **Anti-FDFT1 Monoclonal Antibody - Product Information**

Application WB, IHC, IF, ICC, IP

Primary Accession
Host
Rabbit
Isotype
Rabbit IgG

Reactivity Rat, Human, Mouse

Clonality Monoclonal Format Liquid

**Description** 

Anti-FDFT1 Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.

## **Anti-FDFT1 Monoclonal Antibody - Additional Information**

**Gene ID 2222** 

#### **Other Names**

Squalene synthase, SQS, SS, 2.5.1.21, FPP:FPP farnesyltransferase, Farnesyl-diphosphate farnesyltransferase, Farnesyl-diphosphate farnesyltransferase 1 {ECO:0000312|HGNC:HGNC:3629}, FDFT1

#### **Application Details**

WB 1:500-1:1000<br>IHC 1:100-1:500<br>ICC/IF 1:50-1:200<br>IP 1:50</br>

#### **Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

### **Immuno**aen

A synthesized peptide derived from human FDFT1 Critical branch point enzyme of isoprenoid biosynthesis that is thought to regulate the flux of isoprene intermediates through the sterol pathway.

## **Purification**

Affinity-chromatography

Storage Store at -20°C for one year. For short term

storage and frequent use, store at 4°C for

up to one month. Avoid repeated

freeze-thaw cycles.

### **Anti-FDFT1 Monoclonal 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**

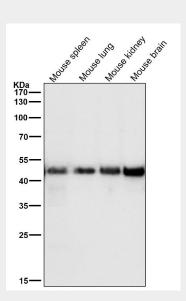
Widely expressed..

## **Anti-FDFT1 Monoclonal Antibody - Protocols**

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

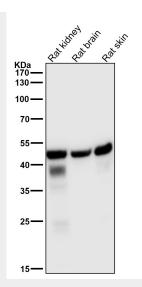
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## **Anti-FDFT1 Monoclonal Antibody - Images**

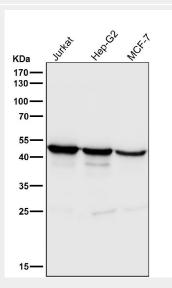


All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.

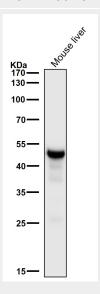




All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.

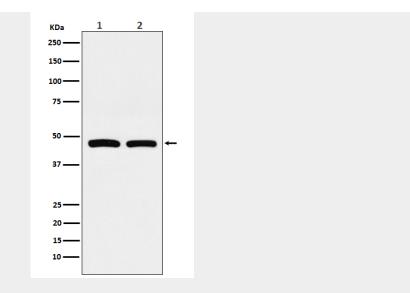


All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:3K dilution for 1 hour at room temperature.





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