SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

# Rabbit Anti-FDFT1 antibody

SL11517R

| | |
|---|---|
| **Product Name:** | FDFT1 |
| **Chinese Name:** | 法尼基二磷酸法尼基转移酶1/鲨烯合成酶抗体 |
| **Alias:** | DGPT; ERG9; Farnesyl diphosphate farnesyltransferase 1; Farnesyl diphosphate farnesyltransferase; Farnesyl-diphosphate farnesyltransferase; FDFT_HUMAN; FDFT1; FPP:FPP farnesyltransferase; Presqualene di diphosphate synthase; SQS; Squalene synthase; Squalene synthetase; SS. |
| **Organism Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **React Species:** | Human,Mouse,Rat,Dog, |
| **Applications:** | IHC-P=1:400-800IHC-F=1:400-800（Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Molecular weight:** | 48kDa |
| **Cellular localization:** | cytoplasmicThe cell membrane |
| **Form:** | Lyophilized or Liquid |
| **Concentration:** | 1mg/ml |
| **immunogen:** | KLH conjugated synthetic peptide derived from human FDFT1:321-417/417 |
| **Lsotype:** | IgG |
| **Purification:** | affinity purified by Protein A |
| **Storage Buffer:** | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| **Storage:** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| **PubMed:** | PubMed |
| **Product Detail:** | Several proteins mediate the biosynthesis of cholesterol. The first specific step in the cholesterol biosynthetic pathway is the conversion of transfarnesyl-diphosphate to Squalene, which is catalyzed by the endoplasmic reticulum membrane-associated enzyme Squalene synthetase, also designated Squalene synthase and Farnesyl-diphosphate farnesyltransferase. Squalene synthetase is located at a branch point in the |

mevalonate pathway and is also involved in isoprenoid biosynthesis. Squalene epoxidase, also designated Squalene monooxygenase, is a multi-pass microsomal membrane-associated enzyme that catalyzes the first oxygenation step in sterol biosynthesis and most likely functions as one of the rate-limiting enzymes in this pathway. Squalene epoxidase may form a complex with Squalene synthetase.

**Function:**
Terpene metabolism; lanosterol biosynthesis; lanosterol from farnesyl diphosphate: step 1/3.

**Subunit:**
Monomer

**Subcellular Location:**
Endoplasmic reticulum membrane.

**Similarity:**
Belongs to the phytoene/squalene synthase family.

**SWISS:**
P37268

**Gene ID:**
2222

**Database links:**

Entrez Gene: 2222Human

Entrez Gene: 14137Mouse

Omim: 184420Human

SwissProt: P37268Human

SwissProt: P53798Mouse

Unigene: 593928Human

Unigene: 474432Mouse

**Important Note:**
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.