SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-FDFT1 antibody

Catalog Number: SL11517R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	FDFT1
Immunogen:	KLH conjugated synthetic peptide derived from human FDFT1: 321-417/417
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Dog)
Predicted MW.:	48kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	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.

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

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	Similarity: Belongs to the phytoene/squalene synthase family. **Database links:** **Entrez Gene:** 2222 Human **Entrez Gene:** 14137 Mouse Omim: 184420 Human **SwissProt:** P37268 Human **SwissProt:** P53798 Mouse **Unigene:** 593928 Human **Unigene:** 474432 Mouse

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