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KD-Validated Anti-FDFT1 Mouse Monoclonal Antibody

Mouse monoclonal antibody
Catalog # AGI1908

Product Information

Application	WB
Primary Accession	P37268
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2b
Clone Names	24GB5645
Calculated MW	48115
Gene Name	FDFT1
Aliases	FDFT1; Farnesyl-Diphosphate Farnesyltransferase 1; SQS; Squalene Synthase; FPP:FPP Farnesyltransferase; EC 2.5.1.21; SS; Farnesyl-Diphosphate Farnesyltransferase; Presqualene-Di-Diphosphate Synthase; Squalene Synthetase; DGPT; ERG9; SQSD
Immunogen	Recombinant protein of human FDFT1

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

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..

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