

KD-Validated Anti-FDFT1 Mouse Monoclonal Antibody
Mouse monoclonal antibody
Catalog # AGI1908**Specification****KD-Validated Anti-FDFT1 Mouse Monoclonal Antibody - Product Information**

Application	WB
Primary Accession	P37268
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2b
Calculated MW	Predicted, 48 kDa, observed, 48 kDa kDa
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

KD-Validated Anti-FDFT1 Mouse 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	

KD-Validated Anti-FDFT1 Mouse 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

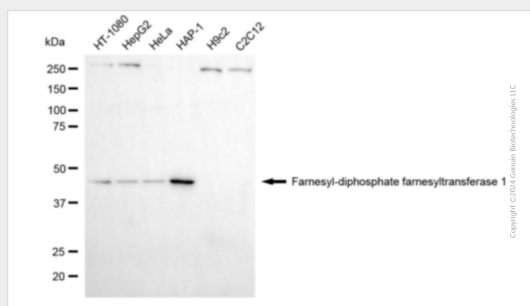
Widely expressed..

KD-Validated Anti-FDFT1 Mouse Monoclonal Antibody - Protocols

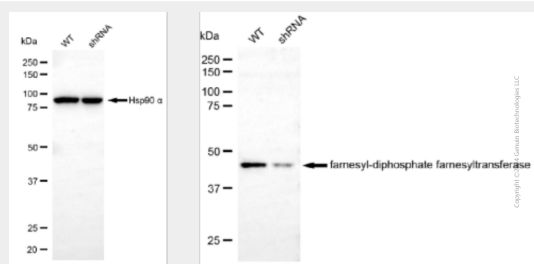
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-FDFT1 Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-farnesyl-diphosphate farnesyltransferase 1 antibody (Cat#63442). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-farnesyl-diphosphate farnesyltransferase 1 antibody (Cat#63442, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



Western blotting analysis using anti-farnesyl-diphosphate farnesyltransferase 1 antibody (Cat#63442). Farnesyl-diphosphate farnesyltransferase 1 expression in wild type (WT) and farnesyl-diphosphate farnesyltransferase 1 (FDFT1) shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-farnesyl-diphosphate farnesyltransferase 1 antibody (Cat#63442, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).