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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..

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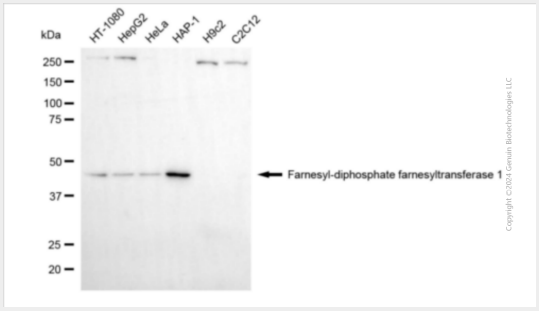
KD-Validated Anti-FDFT1 Mouse Monoclonal Antibody - Protocols

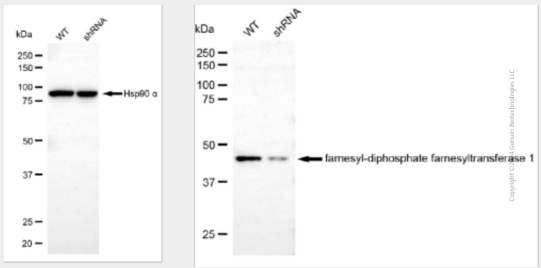
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-FDFT1 Mouse Monoclonal Antibody - Images



Western blotting analysis using anti-farnesyl-diphosphate farnesyltransferase 1 antibody (Cat#AGI1908). 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#AGI1908, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.



Western blotting analysis using anti-farnesyl-diphosphate farnesyltransferase 1 antibody (Cat#AGI1908). 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#AGI1908, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody respectively.