

[KD Validated] Anti-FDFT1 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

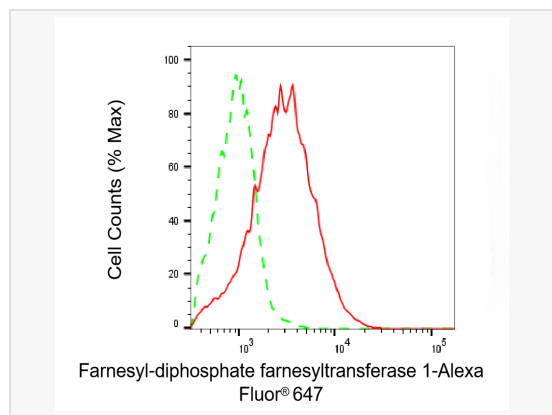
Catalog # M020766

Product Information

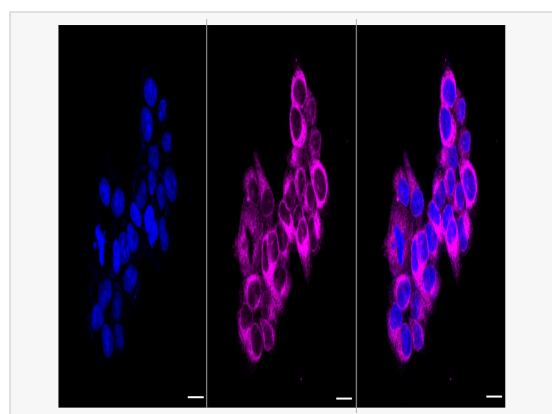
Application	WB, FC, IF (Cell)/ICC
Reactivity	Human
Dilution	WB 1:2,500~1:5,000; FC 1:200~1:2,000; IF 1:100~1:1,000
Host	Mouse
Clonality	Monoclonal
Clone No.	99R79K72
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human FDFT1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-FDFT1 Mouse mAb [99R79K72] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

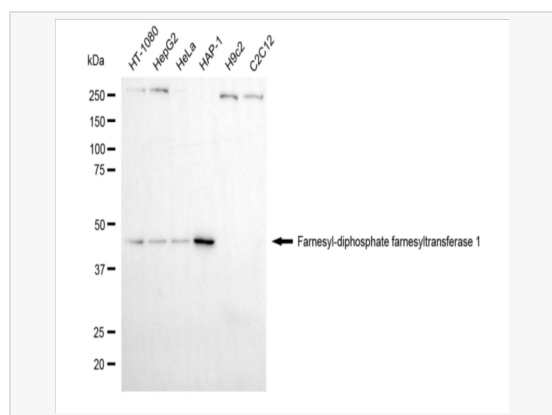
Synonyms	FDFT1; Farnesyl-Diphosphate Farnesyltransferase 1; SQS; Squalene Synthase; FPP:FPP Farnesyltransferase; EC 2.5.1.21; SS; Farnesyl-Diphosphate Farnesyltransferase; Presqualene-Di-Diphosphate Synthase; Squalene Synthetase; DGPT; ERG9; SQSD.
Calculated MW	Calculated MW: 48 kDa, Observed MW: 48 kDa
Uniprot ID	P37268
Gene ID	2222
Background	This gene encodes a membrane-associated enzyme located at a branch point in the mevalonate pathway. The encoded protein is the first specific enzyme in cholesterol biosynthesis, catalyzing the dimerization of two molecules of farnesyl diphosphate in a two-step reaction to form squalene. [provided by RefSeq, Jul 2008]
Cellular Location	Endoplasmic reticulum membrane.



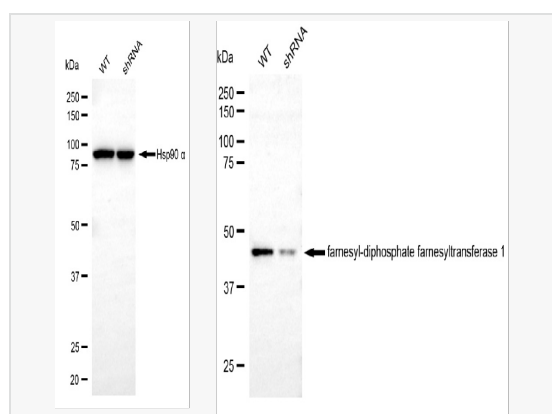
Flow cytometric analysis of Farnesyl-diphosphate farnesyltransferase 1 expression in HAP-1 cells using Farnesyl-diphosphate farnesyltransferase 1 antibody (M020766, 1:2,000). Green, isotype control; red, Farnesyl-diphosphate farnesyltransferase 1.



Immunocytochemical staining of HAP-1 cells with Farnesyl-diphosphate farnesyltransferase 1 antibody (M020766, 1:1,000). Nuclei were stained blue with DAPI; Farnesyl-diphosphate farnesyltransferase 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μ m.



Western blotting analysis using farnesyl-diphosphate farnesyltransferase 1 antibody (M020766). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with farnesyl-diphosphate farnesyltransferase 1 antibody (M020766, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using farnesyl-diphosphate farnesyltransferase 1 antibody (M020766). Farnesyl-diphosphate farnesyltransferase 1 expression in wild type (WT) and farnesyl-diphosphate farnesyltransferase 1 (FDFT1) shRNA knockdown (KD) HT-1080 cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with farnesyl-diphosphate farnesyltransferase 1 antibody (M020766, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.