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FDFT1 Antibody

Rabbit mAb
Catalog # AP92089

Product Information

Application	WB, IHC, IF, ICC, IP, IHF
Primary Accession	P37268
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	DGPT; ERG9; FDFT1; SQS; Squalene synthase; SS;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	48115

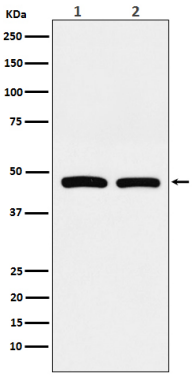
Additional Information

Dilution	WB 1:500~1:1000 IHC 1:100~1:500 ICC/IF 1:50~1:200 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human FDFT1
Description	Critical branch point enzyme of isoprenoid biosynthesis that is thought to regulate the flux of isoprene intermediates through the sterol pathway.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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..

Images



Western blot analysis of FDFT1 expression in (1) HepG2 cell lysate; (2) RAW264.7 cell lysate.