

FDFT1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14561b**Specification**

FDFT1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P37268](#)**FDFT1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 2222**Other Names**

Squalene synthase, SQS, SS, FPP:FPP farnesyltransferase, Farnesyl-diphosphate farnesyltransferase, FDFT1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FDFT1 Antibody (C-term) Blocking Peptide - 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..

FDFT1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

FDFT1 Antibody (C-term) Blocking Peptide - Images

FDFT1 Antibody (C-term) Blocking Peptide - 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.

FDFT1 Antibody (C-term) Blocking Peptide - References

Chalasani, N., et al. Gastroenterology 139(5):1567-1576(2010) Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Kovanen, L., et al. Alcohol Alcohol. 45(4):303-311(2010) Lipkin, S.M., et al. Cancer Prev Res (Phila) 3(5):597-603(2010) Sjoholm, L.K., et al. J Circadian Rhythms 8, 1 (2010) :