

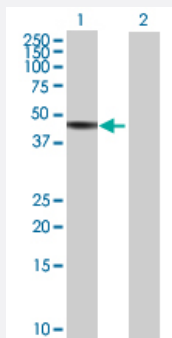
MaxPab®

FDFT1 MaxPab mouse polyclonal antibody (B01)

Catalog # H00002222-B01

Size 50 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of FDFT1 expression in transfected 293T cell line ([H00002222-T01](#)) by FDFT1 MaxPab polyclonal antibody.

Lane 1: FDFT1 transfected lysate(45.87 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human FDFT1 protein.
Immunogen	FDFT1 (NP_004453.3, 1 a.a. ~ 417 a.a) full-length human protein.
Sequence	MEFVKCLGHPEEFYNLVRFRIGGKRKVMKMDQDSLSSSLKTCYKYLNQTSRSFAAVIQALDGE MRNAVCI FYLVLRALDTLEDDMTISVEKKVPLLHNFHSFLYQPDWRFMESKEKDRQVLEDFPTISL EFRNLAEKYQTVIADICRRMGIGMAEFLDKHVTSEQEWDKYCHYVAGLVGIGLSRLFSASEFEDPL VGEDTERANS MGLFLQKTNIIRDYLEDDQGGREFWPQEVWSRYVKKLGDFAKPENIDLAVQCLN ELITNALHHIPDVITYLSRLRNQSVFNFCAPQVMAIATLAACYNNQQVFKGAVKIRKGQAVTLMMDA TNMPAVKAIYQYMEEYHRI PDS DPSSSKTRQIISTIRTQNL PNCQLISRSHYSPIYLSFVMLLAALSW QYLTTLSQVTE DYVQTGEH
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Note For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of FDFT1 expression in transfected 293T cell line ([H00002222-T01](#)) by FDFT1 MaxPab polyclonal antibody.

Lane 1: FDFT1 transfected lysate(45.87 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — FDFT1

Entrez GeneID [2222](#)

GeneBank Accession# [NM_004462.3](#)

Protein Accession# [NP_004453.3](#)

Gene Name FDFT1

Gene Alias DGPT, ERG9, SQS, SS

Gene Description farnesyl-diphosphate farnesyltransferase 1

Omim ID [184420](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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

Other Designations FPP:FPP farnesyltransferase|presqualene-di-diphosphate synthase|squalene synthase

Publication Reference

- [Targeting cellular squalene synthase, an enzyme essential for cholesterol biosynthesis, is a potential antiviral strategy against hepatitis C virus.](#)

Saito K, Shirasago Y, Suzuki T, Aizaki H, Hanada K, Wakita T, Nishijima M, Fukasawa M.

Journal of Virology 2015 Feb; 89(4):2220.

Application: WB-Tr, Human, Huh-7.5.1-8 cells

Pathway

- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Metabolic pathways](#)
- [Steroid biosynthesis](#)

Disease

- [Alcoholism](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyperlipidemias](#)
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