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Product datasheet for TA503450M

FDFT1 Mouse Monoclonal Antibody [Clone ID: OTI1H9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1H9
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human FDFT1(NP_004453) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	47.9 kDa
Gene Name:	farnesyl-diphosphate farnesyltransferase 1
Database Link:	NP_004453 Entrez Gene 14137 MouseEntrez Gene 29580 RatEntrez Gene 2222 Human P37268
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]
Synonyms:	DGPT; ERG9; SQS; SS

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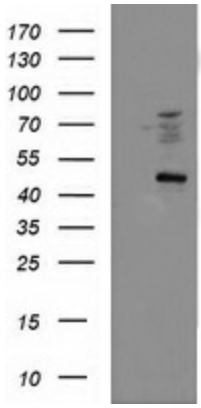
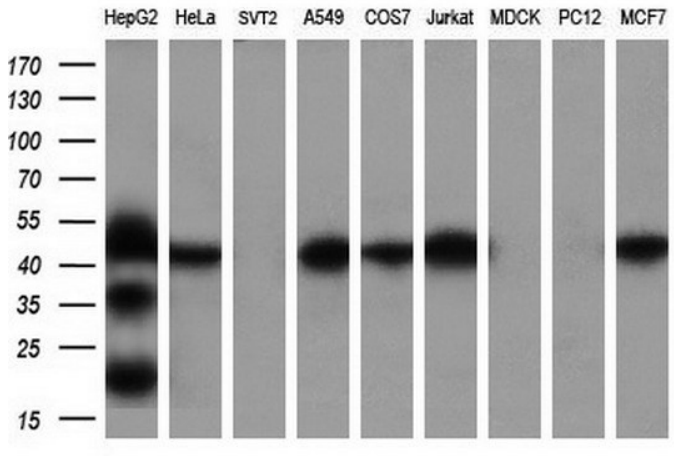
Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Steroid biosynthesis

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FDFT1 ([RC201392], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FDFT1. Positive lysates [LY401419] (100ug) and [LC401419] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-FDFT1 monoclonal antibody at 1:200 dilution. (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human)

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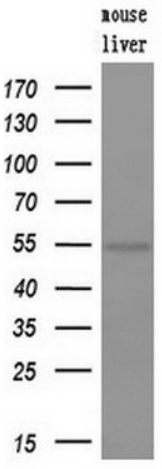
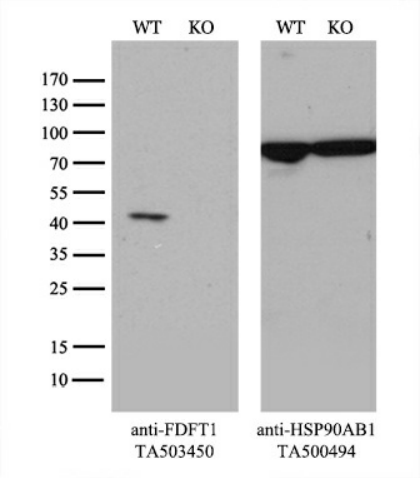
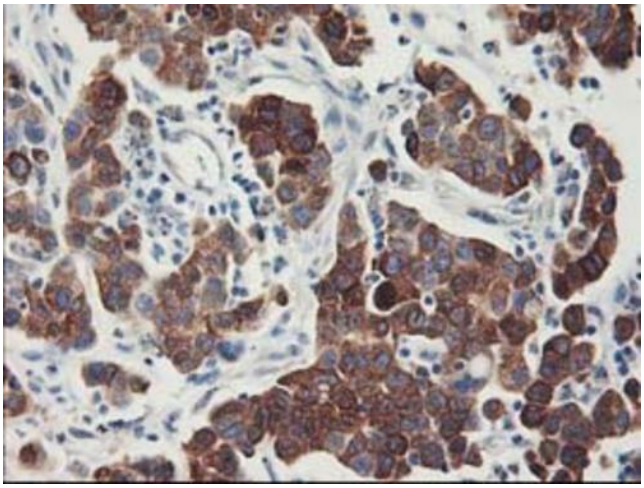


Western blot analysis of extracts (10ug) from a mouse tissues by using anti-FDFT1 monoclonal antibody (1:200).



Equivalent amounts of cell lysates (10 ug per lane) of wild-type 293T cells (WT, Cat# LC810293T) and FDFT1-Knockout 293T cells (KO, Cat# [LC841996]) were separated by SDS-PAGE and immunoblotted with anti-FDFT1 monoclonal antibody [TA503450], (1:500). Then the blotted membrane was stripped and reprobed with anti-HSP90AB1 antibody ([TA500494]) as a loading control.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-FDFT1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

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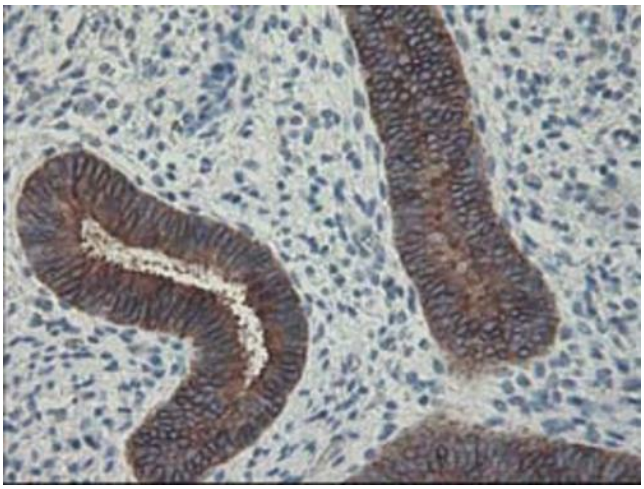
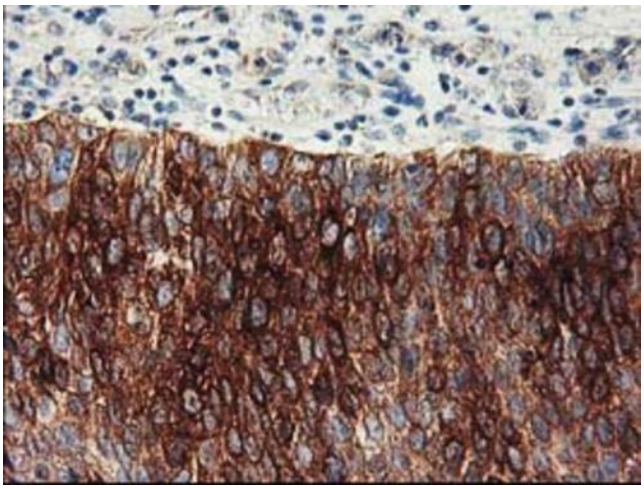
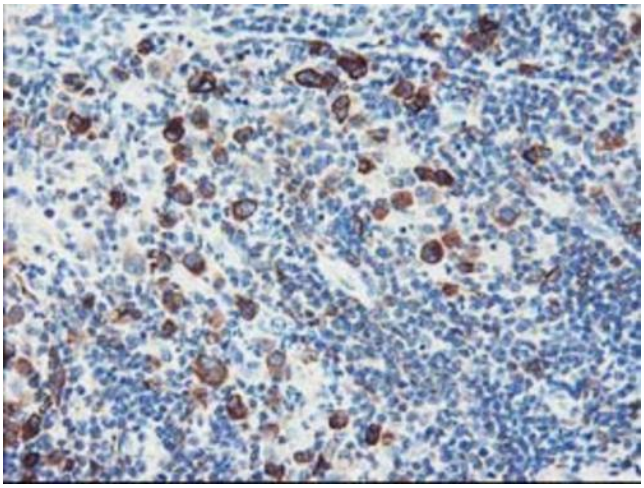


Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-FDFT1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-FDFT1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-FDFT1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

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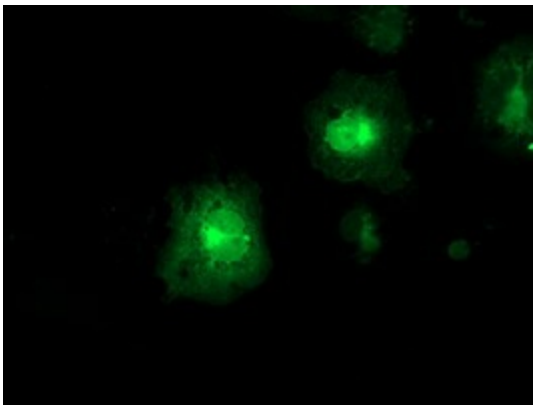
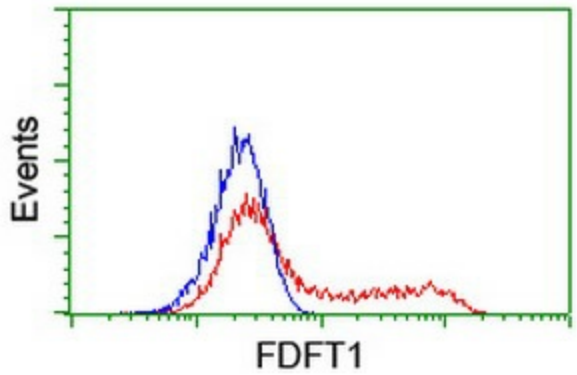


Anti-FDFT1 mouse monoclonal antibody ([TA503450]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY FDFT1 ([RC201392]).



HEK293T cells transfected with either [RC201392] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-FDFT1 antibody ([TA503450]), and then analyzed by flow cytometry.

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