

## Product datasheet for **TA503470**

### FDFT1 Mouse Monoclonal Antibody [Clone ID: OTI2F10]

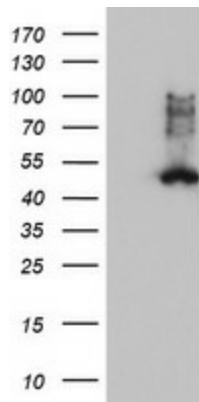
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2F10
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:200~500, IHC 1:150, IF 1:100
Reactivity:	Human, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
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:	0.93 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:	<a href="#">NP_004453</a> <a href="#">Entrez Gene 14137 Mouse</a> <a href="#">Entrez Gene 29580 Rat</a> <a href="#">Entrez Gene 696396 Monkey</a> <a href="#">Entrez Gene 2222 Human</a> <a href="#">P37268</a>
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]

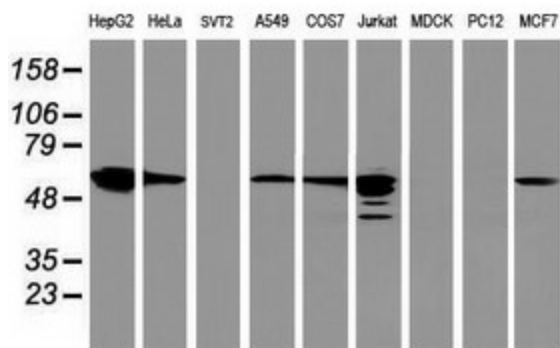


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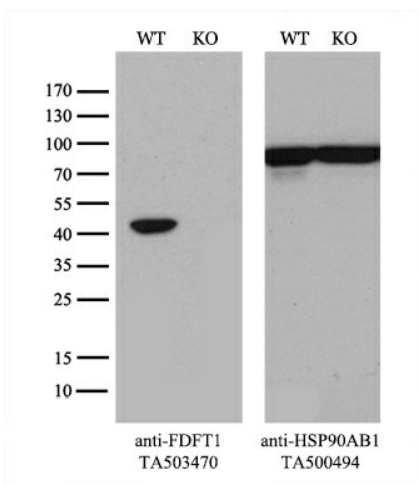
**Synonyms:** DGPT; ERG9; SQS; SS  
**Protein Families:** Druggable Genome  
**Protein Pathways:** Metabolic pathways, Steroid biosynthesis

**Product images:**


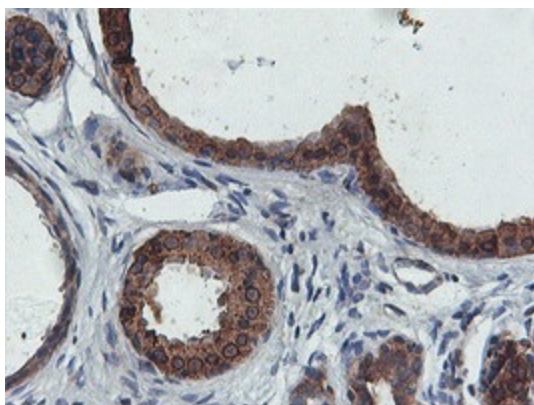
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY FDFT1 (Cat# [RC201392], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FDFT1 (Cat# TA503470). Positive lysates [LY401419] (100ug) and [LC401419] (20ug) can be purchased separately from OriGene.



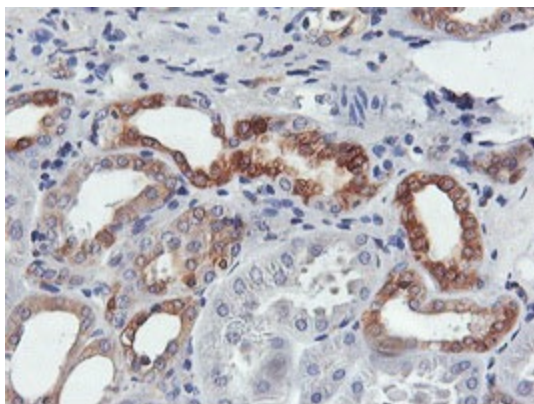
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-FDFT1 monoclonal antibody.



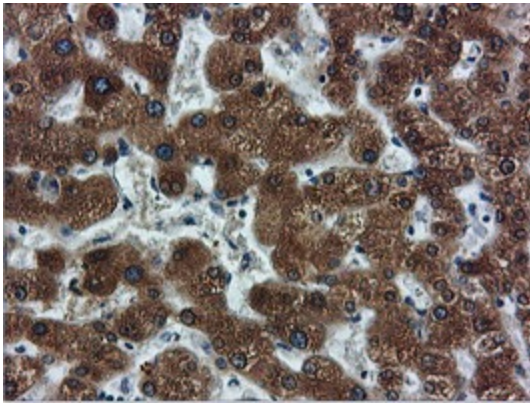
Equivalent amounts of cell lysates (10 ug per lane) of wild-type 293T cells (WT, Cat# LC810293T) and FDFT1-Knockout 293T cells (KO, Cat# [LC841996]) were separated by SDS-PAGE and immunoblotted with anti-FDFT1 monoclonal antibody TA503470, (1:500). Then the blotted membrane was stripped and reprobed with anti-HSP90AB1 antibody ([TA500494]) as a loading control.



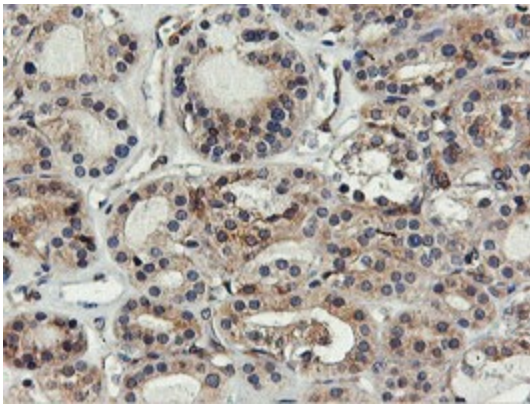
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-FDFT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503470)



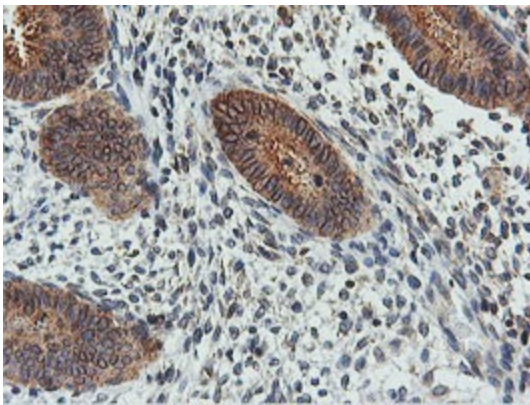
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-FDFT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503470)



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-FDFT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503470)

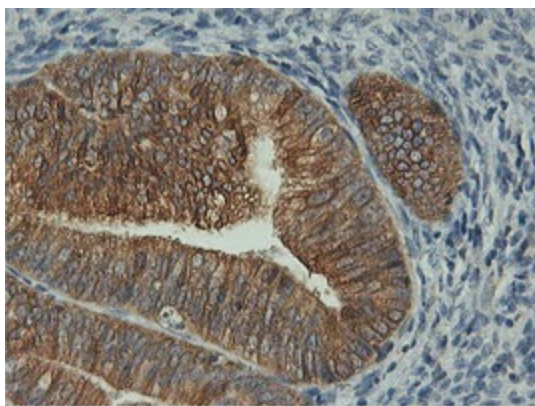


Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-FDFT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503470)

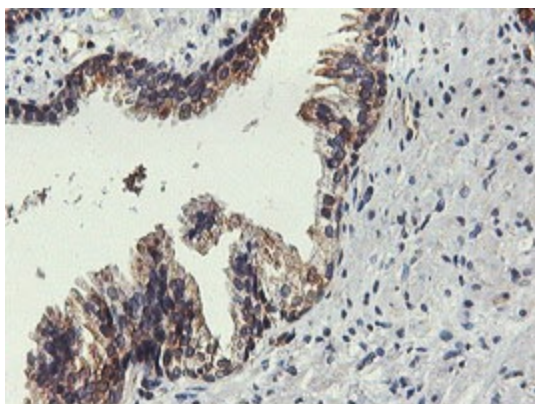


Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-FDFT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503470)

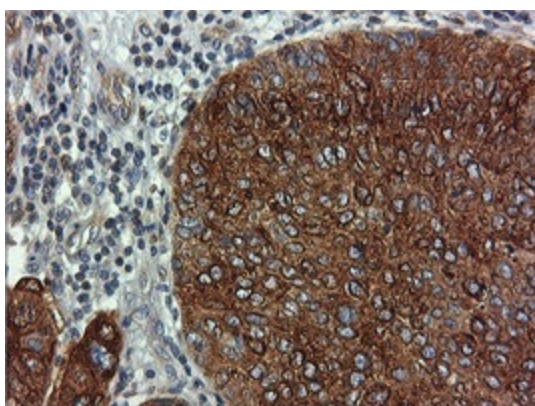




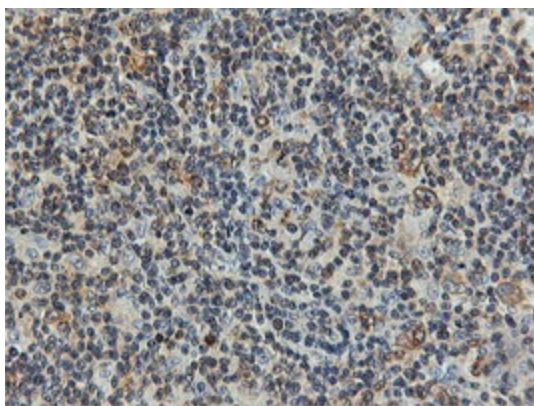
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-FDFT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503470)



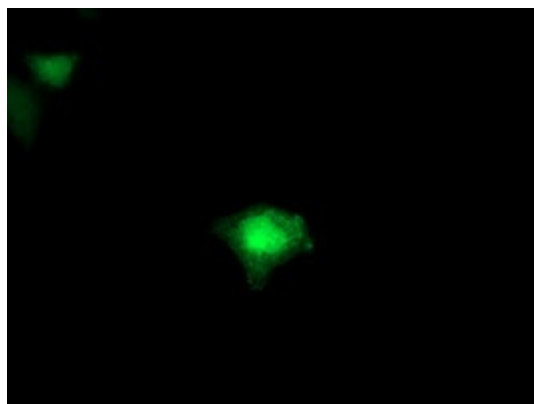
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-FDFT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503470)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-FDFT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503470)



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-FDFT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503470)



Anti-FDFT1 mouse monoclonal antibody (TA503470) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY FDFT1 ([RC201392]).