

Product datasheet for TA503450

FDFT1 Mouse Monoclonal Antibody [Clone ID: OT11H9]

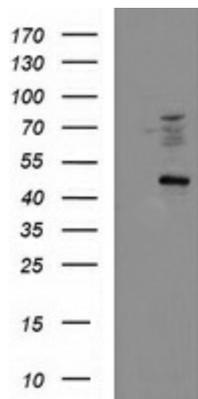
Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OT11H9 |
| Applications: | FC, IF, IHC, WB |
| Recommend Dilution: | WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100 |
| Reactivity: | Human |
| 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) |
| Predicted Protein Size: | 47.9 kDa |
| Gene Name: | farnesyl-diphosphate farnesyltransferase 1 |
| Database Link: | NP_004453 Entrez Gene 2222 Human |
| 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 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Metabolic pathways, Steroid biosynthesis |

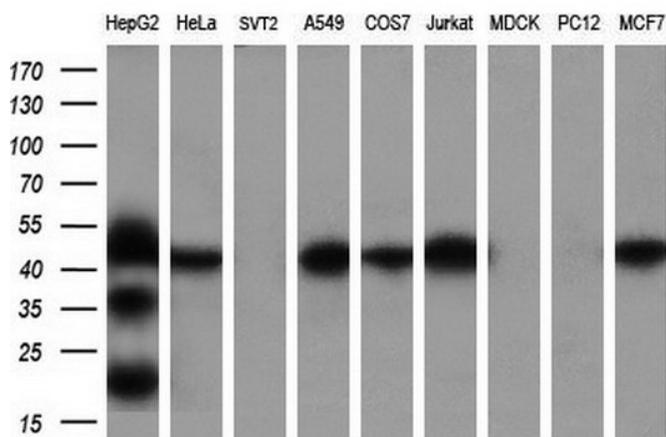


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Product images:



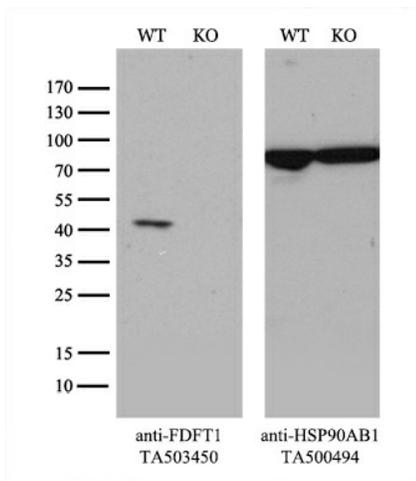
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FDFT1 ([RC201392], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FDFT1. Positive lysates [LY401419] (100ug) and [LC401419]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



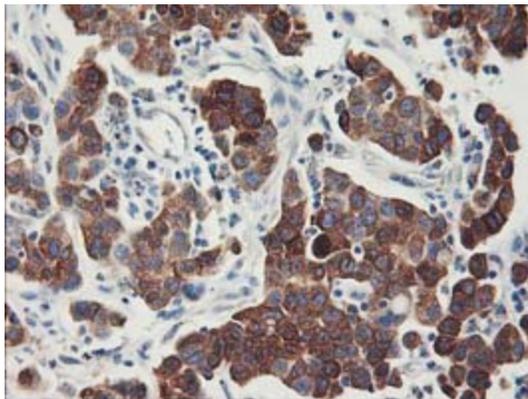
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-FDFT1 monoclonal antibody at 1:200 dilution. (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human)



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



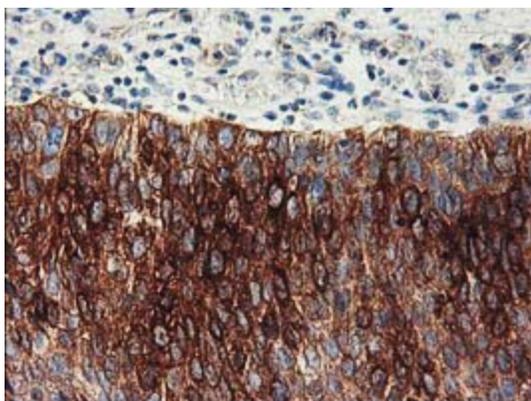
Equivalent amounts of cell lysates (10 ug per lane) of wild-type 293T cells (WT, Cat# LC810293T) and FDFT1-Knockout 293T cells (KO, Cat# [LC841996]) were separated by SDS-PAGE and immunoblotted with anti-FDFT1 monoclonal antibody TA503450, (1:500). Then the blotted membrane was stripped and reprobed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



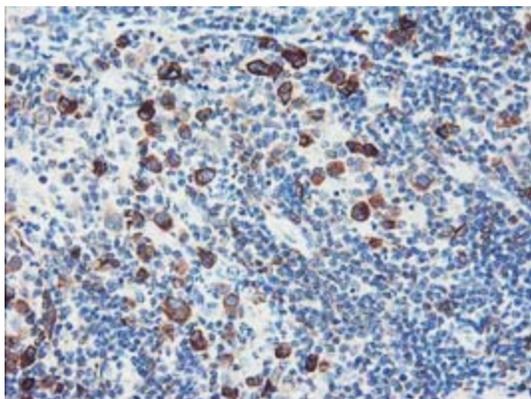
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-FDFT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503450)



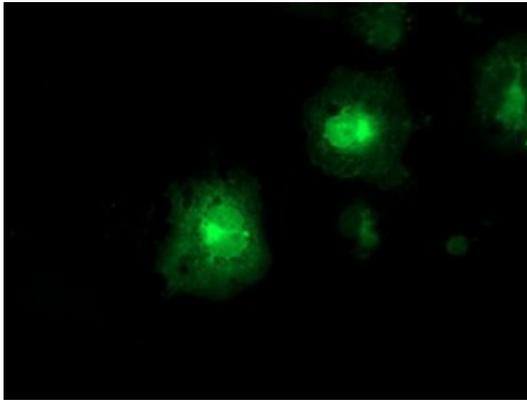
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-FDFT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503450)



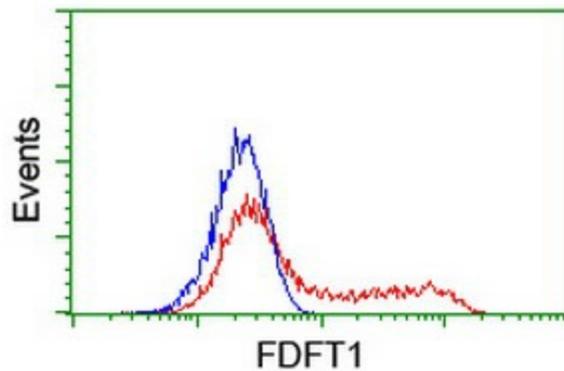
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-FDFT1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503450)



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, TA503450)



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.