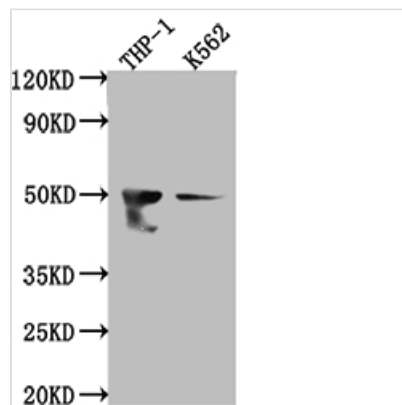




FDFT1 Antibody

Product Code	CSB-RA909932A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P37268
Immunogen	A synthesized peptide derived from human FDFT1
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200
Relevance	endoplasmic reticulum, endoplasmic reticulum membrane, integral component of membrane, farnesyl-diphosphate farnesyltransferase activity, squalene synthase activity, cholesterol biosynthetic process, farnesyl diphosphate metabolic process, regulation of cholesterol biosynthetic process, regulation of lipid metabolic process, steroid biosynthetic process
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Neuroscience; Cancer; Cardiovascular; Metabolism
Gene Names	FDFT1
Accession NO.	10H12

Image



Western Blot

Positive WB detected in: THP-1 whole cell lysate, K562 whole cell lysate

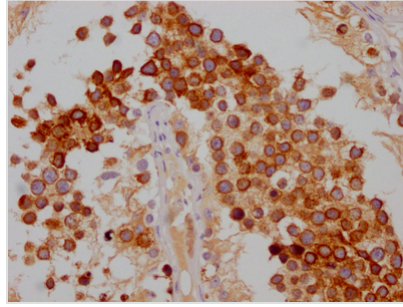
All lanes: FDFT1 antibody at 1:1000

Secondary

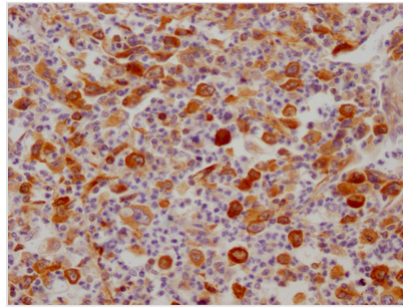
Goat polyclonal to rabbit IgG at 1/50000 dilution

Predicted band size: 49, 41, 39, 36, 44 kDa

Observed band size: 50 kDa



IHC image of CSB-RA909932A0HU diluted at 1:100 and staining in paraffin-embedded human testis tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



IHC image of CSB-RA909932A0HU diluted at 1:100 and staining in paraffin-embedded human lung cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Description

FDFT1 is a membrane-associated enzyme that plays a critical role in directing intermediates produced from mevalonate to either a non-sterol pathway or cholesterol synthetic pathway. It catalyzes a two-step reaction in which squalene is synthesized via the condensation of two molecules of farnesyl pyrophosphate (FPP). Accumulating evidence has noted that FDFT1 plays a critical role in cancer, particularly in metabolic reprogramming, cell proliferation, and invasion. FDFT1 is involved in the propagation of some viruses of the Flaviviridae family. Zaragozic acid A, an inhibitor of FDFT1, could inhibit dengue virus replication. Studies have demonstrated that FDFT1 is the key regulator of HCV propagation and may contribute to HCV-mediated pathogenesis.

The generation of this recombinant FDFT1 antibody occurs in a series of steps: immunization, splenocytes & PBMC, single B cell sorting, mRNA extraction, RT-PCR & insert vector, expression, ELISA validation. And ELISA, WB, IHC was carried out Every step was performed under strict standards to ensure the researchers can have a recombinant FDFT1 antibody with premium quality.