

Datasheet for ABIN389052

anti-FDFT1 antibody (AA 140-170)

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Overview

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| Quantity: | 400 µL |
| Target: | FDFT1 |
| Binding Specificity: | AA 140-170 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This FDFT1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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| Immunogen: | This FDFT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 140-170 amino acids from the Central region of human FDFT1. |
| Clone: | RB4781-4782 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |

Target Details

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| Target: | FDFT1 |
| Alternative Name: | FDFT1 (FDFT1 Products) |

Target Details

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| Background: | FDFT1 catalyzes the first step in the cholesterol biosynthetic pathway, the conversion of trans-farnesyl diphosphate to squalene. The loss of promoter activity and response to sterols for FDFT1 is localized to a 69-bp section positioned 131 bp 5-prime to the transcription start site. Sequence analysis of this region shows that it contains a sterol regulatory element-1 (SRE1) previously identified in other sterol regulated genes and 2 putative NF1 binding sites. |
| Molecular Weight: | 48115 |
| Gene ID: | 2222 |
| NCBI Accession: | NP_004453 |
| UniProt: | P37268 |
| Pathways: | Regulation of Lipid Metabolism by PPARalpha |

Application Details

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| Application Notes: | WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100. IHC-P: 1:50~100 |
| Restrictions: | For Research Use only |

Handling

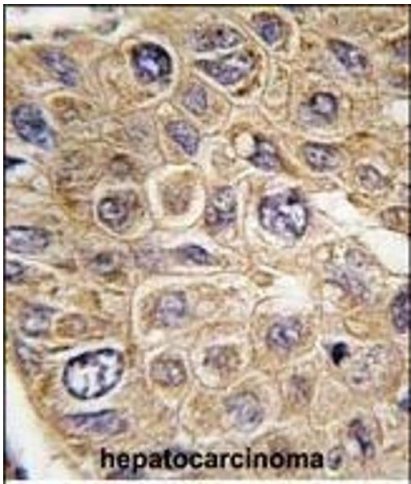
| | |
|--------------------|--|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C, -20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date: | 6 months |

Publications

| | |
|-------------------|--|
| Product cited in: | Wu, Li, Fang, Yi, Chen, Long, Gao, Wei, Chen: "Investigation of synergistic mechanism and identification of interaction site of aldose reductase with the combination of gigantol and syringic acid for prevention of diabetic cataract." in: BMC complementary and alternative |
|-------------------|--|

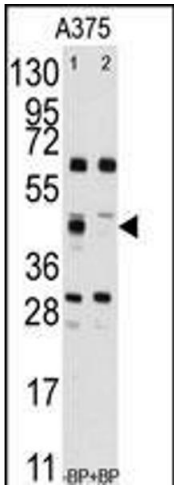
medicine, Vol. 16, Issue 1, pp. 286, (2017) ([PubMed](#)).

Guo, Wang, Liu, Myatt, Sun: "Induction of PGF2 γ synthesis by cortisol through GR dependent induction of CBR1 in human amnion fibroblasts." in: **Endocrinology**, Vol. 155, Issue 8, pp. 3017-24, (2014) ([PubMed](#)).



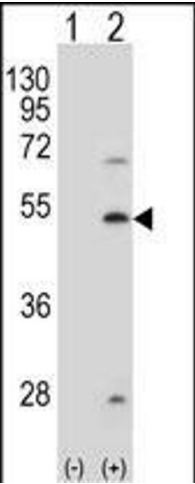
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with FDFT1 Antibody (Center) (ABIN389052 and ABIN2839261) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of anti-FDFT1 Antibody (Center) (ABIN389052 and ABIN2839261) pre-incubated without(lane 1) and with(lane 2) blocking peptide (BP2417b) in cell line lysate. FDFT1(arrow) was detected using the purified Pab.



Western Blotting

Image 3. Western blot analysis of FDFT1 (arrow) using rabbit polyclonal FDFT1 Antibody (ABIN389052 and ABIN2839261). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the FDFT1 gene.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN389052.