

For Research Use Only

# FDFT1 Recombinant antibody

Catalog Number: 83020-1-RR



## Basic Information

Catalog Number:

83020-1-RR

Size:

1000  $\mu$ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3743

GenBank Accession Number:

BC029641

GeneID (NCBI):

2222

UNIPROT ID:

P37268

Full Name:

farnesyl-diphosphate  
farnesyltransferase 1

Calculated MW:

417 aa, 48 kDa

Observed MW:

48 kDa

Purification Method:

Protein A purification

CloneNo.:

230362C10

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

FC, WB, ELISA

Species Specificity:

Human, mouse

Positive Controls:

WB : L02 cells, T-47D cells, SH-SY5Y cells, HepG2 cells,  
mouse testis tissue

## Background Information

SQS (Squalene synthase), also known as Farnesyl-diphosphate farnesyltransferase 1 (FDFT1) is a gene that encodes the membrane-associated enzyme squalene synthase, which is the first specific enzyme in cholesterol biosynthesis. FDFT1 is highly expressed in liver, lung, prostate, breast, ovary, bladder, cervix, thyroid, and esophageal cancers, while in colorectal, colon, testicular, uterine, pancreas, and kidney tumors, its expression is downregulated (PMID: 35093030). FDFT1 is a key downstream target of the fasting response and may be involved in CRC cell glucose metabolism (PMID: 32313017).

## Storage

Storage:

Store at  $-20^{\circ}\text{C}$ . Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for  $-20^{\circ}\text{C}$  storage

For technical support and original validation data for this product please contact:

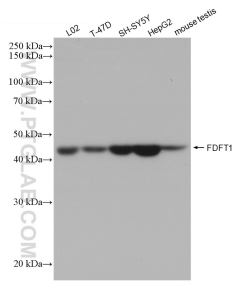
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

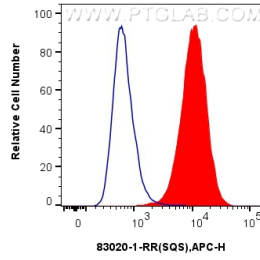
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83020-1-RR (FDF1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  U2OS cells were intracellularly stained with 0.25  $\mu$ g Anti-Human FDF1 (83020-1-RR, Clone:230362C10) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25  $\mu$ g Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).