

For Research Use Only

# CoraLite® Plus 488-conjugated FDFT1 Recombinant antibody

Catalog Number: CL488-83020-2



## Basic Information

Catalog Number:

CL488-83020-2

Size:

1000 µg/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

Purification Method:

Protein A purification

CloneNo.:

230362F3

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima

wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

## 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°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

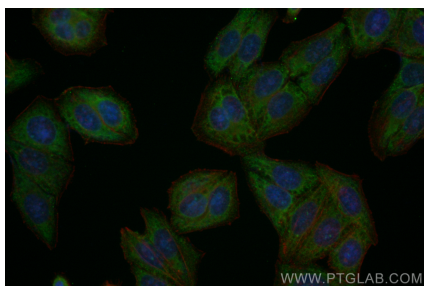
T: 4006900926

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

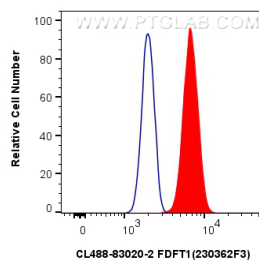
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 FDFT1 antibody (CL488-83020-2, Clone: 230362F3) at dilution of 1:200.



1x10<sup>6</sup> U2OS cells were intracellularly stained with 0.25 ug CoraLite® Plus 488-conjugated FDFT1 Recombinant antibody (CL488-83020-2, Clone:230362F3)(red), or 0.25 ug CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-98136, Clone: 240953C9). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).