

For Research Use Only

DGAT2 Recombinant antibody

Catalog Number: 83262-2-RR



Basic Information

Catalog Number:

83262-2-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10719

GenBank Accession Number:

BC015234

GeneID (NCBI):

84649

UNIPROT ID:

Q96PD7

Full Name:

diacylglycerol O-acyltransferase
homolog 2 (mouse)

Calculated MW:

388 aa, 44 kDa

Purification Method:

Protein A purification

CloneNo.:

240171C6

Recommended Dilutions:

IF/ICC 1:50-1:500

Applications

Tested Applications:

IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

Diacylglycerol acyltransferase 2 (DGAT2) is an integral membrane protein and major enzyme that catalyzes the final step of triacylglycerol (TG) synthesis in eukaryotes (PMID: 21680734). DGAT2 is present in mitochondria-associated membranes, specialized domains of the ER that are highly enriched in lipid synthetic enzymes (PMID: 19049983). DGAT2 isoforms (39 kDa, 44kDa) have major differences in acyl-CoA substrate specificity toward erucoyl-CoA.

Storage

Storage:

Store at -20°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°C storage

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

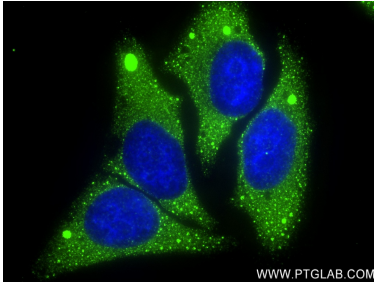
T: 4006900926

E: Proteintech-CN@ptglab.com

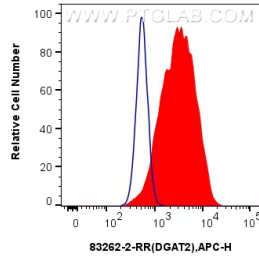
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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using DGAT2 antibody (83262-2-RR, Clone: 240171C6) at dilution of 1:150 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug Dgat2 Recombinant Antibody (83262-2-RR, Clone:240171C6) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).