

For Research Use Only

# CoraLite® Plus 488-conjugated DGAT2 Recombinant antibody

Catalog Number:CL488-83262-2



## Basic Information

<b>Catalog Number:</b> CL488-83262-2	<b>GenBank Accession Number:</b> BC015234	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 84649	<b>CloneNo.:</b> 240171C6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96PD7	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> diacylglycerol O-acyltransferase homolog 2 (mouse)	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG10719	<b>Calculated MW:</b> 388 aa, 44 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HepG2 cells,
<b>Species Specificity:</b> human	

## 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.

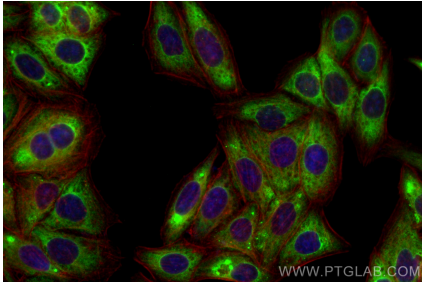
## Storage

**Storage:**  
Store at -20°C. 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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 DGAT2 antibody (CL488-83262-2, Clone: 240171C6) at dilution of 1:200.