

**Anti-DGAT2 Antibody**  
**Catalog # AP53746****Specification**

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**Anti-DGAT2 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q96PD7</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43831

**Anti-DGAT2 Antibody - Additional Information****Gene ID** 84649**Other Names**

Diacylglycerol O-acyltransferase 2; Acyl-CoA retinol O-fatty-acyltransferase; ARAT; Retinol O-fatty-acyltransferase; Diglyceride acyltransferase 2

**Target/Specificity**

Recognizes endogenous levels of DGAT2 protein.

**Dilution**

WB~~1/500 - 1/1000

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**Anti-DGAT2 Antibody - Protein Information****Name** DGAT2 ([HGNC:16940](#))**Function**

Essential acyltransferase that catalyzes the terminal and only committed step in triacylglycerol synthesis by using diacylglycerol and fatty acyl CoA as substrates. Required for synthesis and storage of intracellular triglycerides (PubMed:<a href="http://www.uniprot.org/citations/27184406" target="\_blank">27184406</a>). Probably plays a central role in cytosolic lipid accumulation. In liver, is primarily responsible for incorporating endogenously synthesized fatty acids into triglycerides (By similarity). Also functions as an acyl-CoA retinol acyltransferase (ARAT) (By similarity). Also able to use 1- monoalkylglycerol (1-MAkG) as an acyl acceptor for the synthesis of monoalkyl-monoacylglycerol (MAMAG) (PubMed:<a href="http://www.uniprot.org/citations/28420705" target="\_blank">28420705</a>).

**Cellular Location**

Endoplasmic reticulum membrane; Multi-pass membrane protein. Lipid droplet. Cytoplasm, perinuclear region

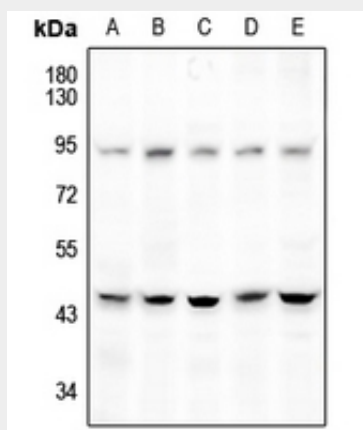
**Tissue Location**

Predominantly expressed in liver and white adipose tissue. Expressed at lower level in mammary gland, testis and peripheral blood leukocytes. Expressed in sebaceous glands of normal skin but decreased psoriatic skin.

**Anti-DGAT2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-DGAT2 Antibody - Images**

Western blot analysis of DGAT2 expression in C6 (A), AML12 (B), A375 (C), LO2 (D), HepG2 (E) whole cell lysates.

**Anti-DGAT2 Antibody - Background**

Rabbit polyclonal antibody to DGAT2