

# **DGAT2** Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP51760

# **Specification**

# **DGAT2 Antibody - Product Information**

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW

WB, E
O96PD7
Human, Mouse, Rat
Rabbit
Polyclonal
44 KDa

# **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, DGAT2

### Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human DGAT2. The exact sequence is proprietary.

### **Dilution**

WB~~1:1000 E~~N/A

#### **Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

#### Storage

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

### **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.

# **DGAT2 Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## **DGAT2 Antibody - Images**

# **DGAT2 Antibody - Background**

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# **DGAT2 Antibody - References**

Cases S.,et al.J. Biol. Chem. 276:38870-38876(2001). Wakimoto K.,et al.Biochem. Biophys. Res. Commun. 310:296-302(2003). Clark H.F.,et al.Genome Res. 13:2265-2270(2003). Bechtel S.,et al.BMC Genomics 8:399-399(2007). Taylor T.D.,et al.Nature 440:497-500(2006).