

**DGAT2 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP55035****Specification****DGAT2 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF
Primary Accession	<a href="#">Q96PD7</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43831

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

Diacylglycerol O-acyltransferase 2, 2.3.1.20, Acyl-CoA retinol O-fatty-acyltransferase, ARAT, Retinol O-fatty-acyltransferase, 2.3.1.76, Diglyceride acyltransferase 2, DGAT2 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=16940](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=16940))  
target="\_blank">HGNC:16940</a>)

**Dilution**

WB~1:1000  
IHC-P~N/A  
IHC-F~N/A  
IF~1:50~200

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**DGAT2 Polyclonal 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:<http://www.uniprot.org/citations/27184406>). 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 Polyclonal 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](#)

**DGAT2 Polyclonal Antibody - Images**