

**ARG57278**  
**anti-DGAT1 antibody**Package: 100 µl  
Store at: -20°C**Summary**

Product Description	Rabbit Polyclonal antibody recognizes DGAT1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DGAT1
Species	Human
Immunogen	Recombinant protein of Human DGAT1.
Conjugation	Un-conjugated
Alternate Names	ARGP1; Diacylglycerol O-acyltransferase 1; ARAT; Retinol O-fatty-acyltransferase; DGAT; EC 2.3.1.76; ACAT-related gene product 1; Acyl-CoA retinol O-fatty-acyltransferase; Diglyceride acyltransferase; DIAR7; EC 2.3.1.20

**Application Instructions**

Predict Reactivity Note	Rat						
Application table	<table><tr><th>Application</th><th>Dilution</th></tr><tr><td>ICC/IF</td><td>1:50 - 1:200</td></tr><tr><td>WB</td><td>1:500 - 1:2000</td></tr></table>	Application	Dilution	ICC/IF	1:50 - 1:200	WB	1:500 - 1:2000
Application	Dilution						
ICC/IF	1:50 - 1:200						
WB	1:500 - 1:2000						
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.						
Positive Control	HL-60						

**Properties**

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

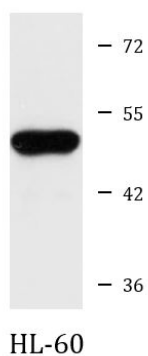
## Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	DGAT1
Gene Full Name	diacylglycerol O-acyltransferase 1
Background	This gene encodes an multipass transmembrane protein that functions as a key metabolic enzyme. The encoded protein catalyzes the conversion of diacylglycerol and fatty acyl CoA to triacylglycerol. This enzyme can also transfer acyl CoA to retinol. Activity of this protein may be associated with obesity and other metabolic diseases. [provided by RefSeq, Jul 2013]
Function	Catalyzes the terminal and only committed step in triacylglycerol synthesis by using diacylglycerol and fatty acyl CoA as substrates. In contrast to DGAT2 it is not essential for survival. May be involved in VLDL (very low density lipoprotein) assembly. In liver, plays a role in esterifying exogenous fatty acids to glycerol. Functions as the major acyl-CoA retinol acyltransferase (ARAT) in the skin, where it acts to maintain retinoid homeostasis and prevent retinoid toxicity leading to skin and hair disorders. [UniProt]
Calculated Mw	55 kDa

## Images



ARG57278 anti-DGAT1 antibody WB image

Western blot: HL-60 cell lysate stained with ARG57278 anti-DGAT1 antibody.