

# KD-Validated Anti-Diacylglycerol O-acyltransferase 1 Recombinant Rabbit



**Catalog #: 61926**

## Aliases

DGAT1; Diacylglycerol O-Acyltransferase 1; ARGP1; DGAT; Acyl-CoA Retinol O-Fatty-Acyltransferase; Diglyceride Acyltransferase; EC 2.3.1.20; ARAT; Acyl Coenzyme A:Cholesterol Acyltransferase Related Gene 1; Diacylglycerol O-Acyltransferase (Mouse) Homolog; Acyl-CoA:Diacylglycerol Acyltransferase; Retinol O-Fatty-Acyltransferase; ACAT Related Gene Product 1; ACAT-Related Gene Product 1; EC 2.3.1.76; EC 2.3.1; DIAR7; AGRP1

## Background

Gene Name: DGAT1

NCBI Gene Entry: [8694](#)

UniProt Entry: [O75907](#)

## Application Information

Molecular Weight: Predicted, 55 kDa, observed, 48 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 23GB5155

Species Reactivity: Human

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human DGAT1

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

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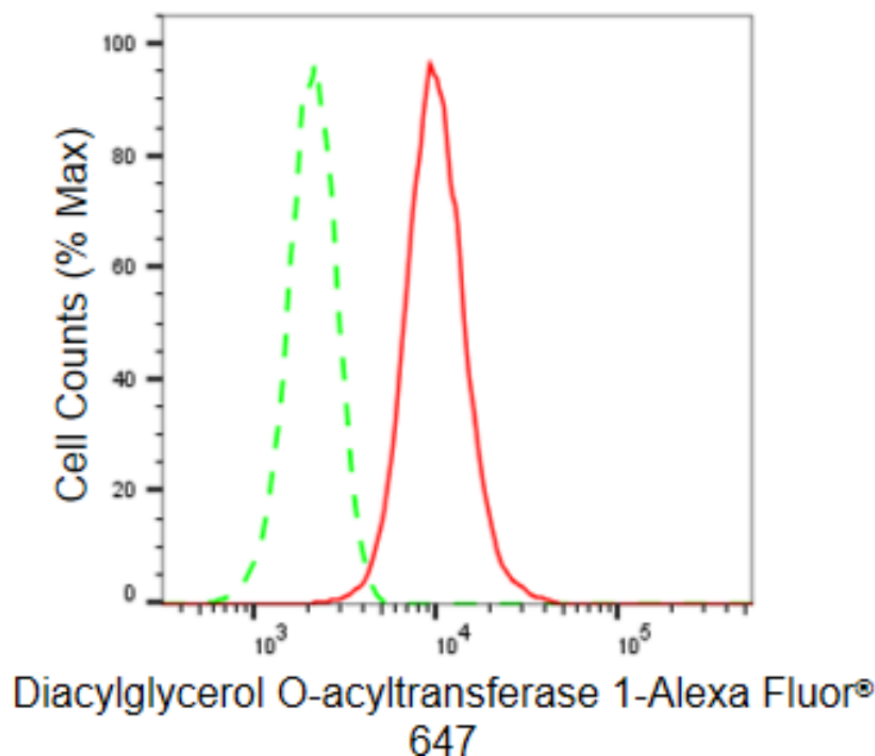
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PAGE 2

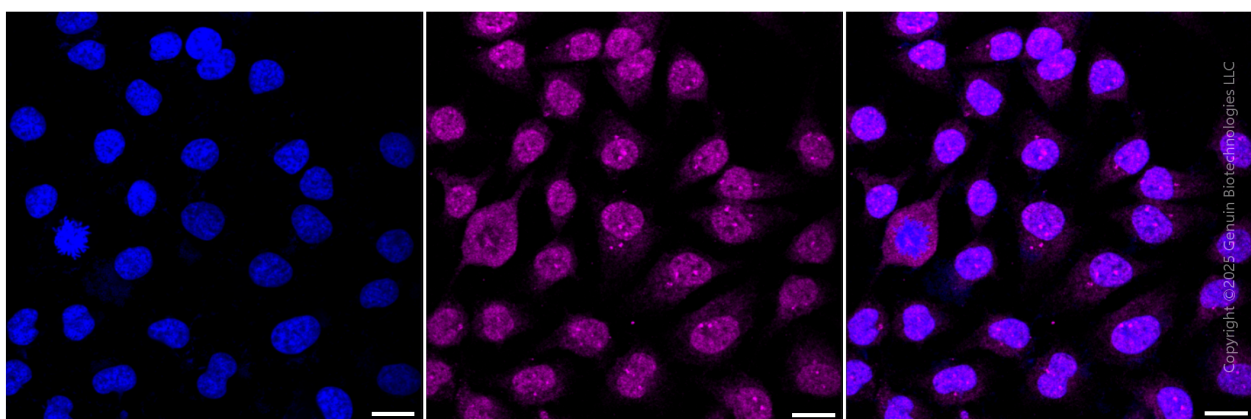
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## Validation Data



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Flow cytometric analysis of Diacylglycerol O-acyltransferase 1 expression in HeLa cells using Diacylglycerol O-acyltransferase 1 antibody (Cat#61926, 1:2,000). Green, isotype control; red, Diacylglycerol O-acyltransferase 1.



Immunocytochemical staining of HeLa cells with anti-Diacylglycerol O-acyltransferase 1 antibody (Cat #61926, 1:1,000). Nuclei were stained blue with DAPI; Diacylglycerol O-acyltransferase 1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain:Medium. Scale bar, 20 µm.

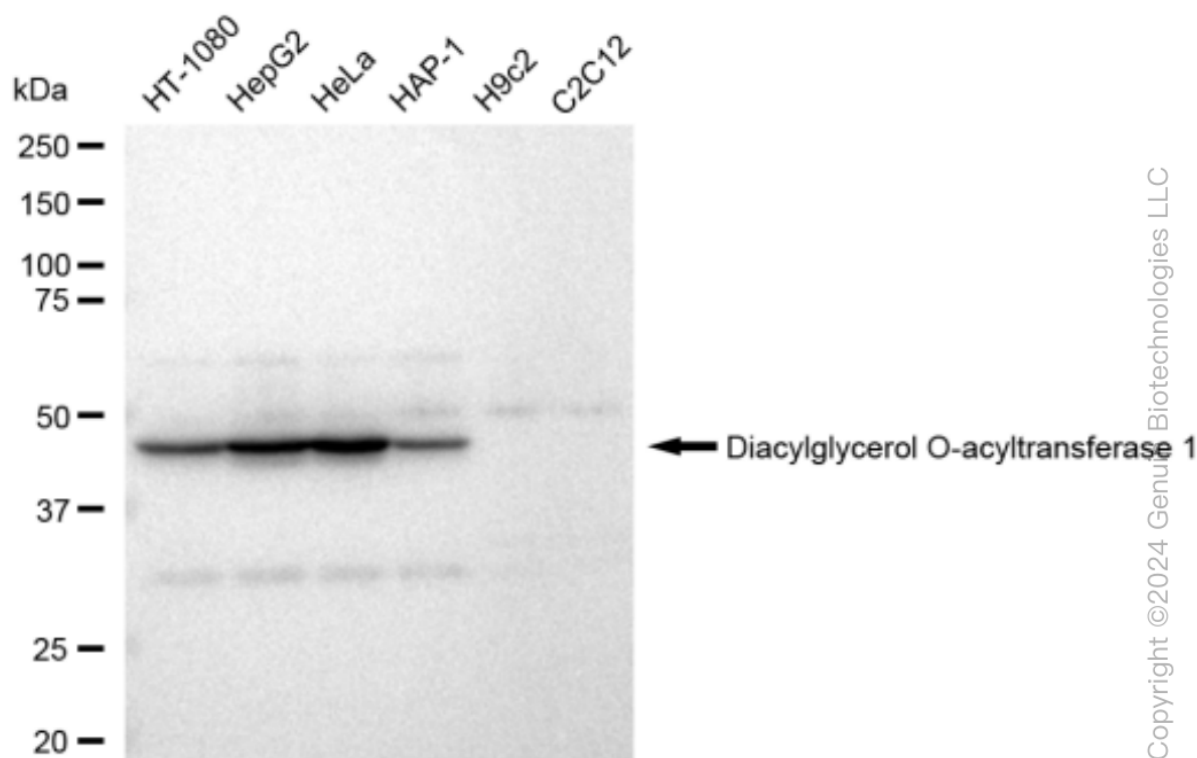
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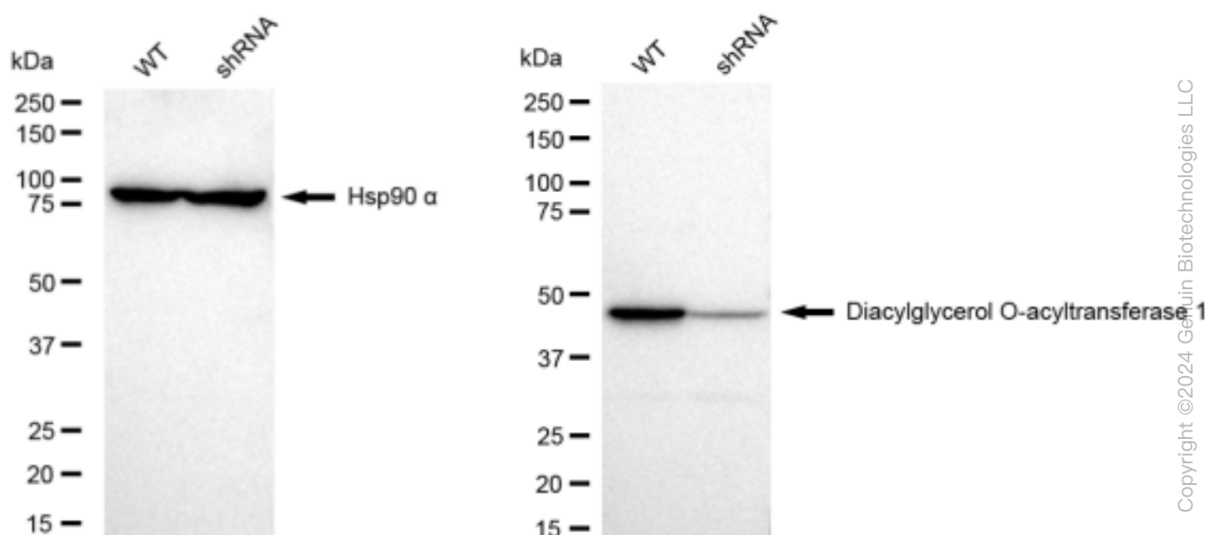
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Western blotting analysis using anti-Diacylglycerol O-acyltransferase 1 antibody (Cat#61926). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Diacylglycerol O-acyltransferase 1 antibody (Cat#61926, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Western blotting analysis using anti-Diacylglycerol O-acyltransferase 1 antibody (Cat#61926). Diacylglycerol O-acyltransferase 1 expression in wild type (WT) and Diacylglycerol O-

## **KD-Validated Anti-Diacylglycerol O-acyltransferase 1 Recombinant Rabbit**

PAGE 4

acyltransferase 1 shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90  $\alpha$  serves as a loading control. The blot was incubated with anti-Diacylglycerol O-acyltransferase 1 antibody (Cat#61926, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

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