

Datasheet for ABIN6139556  
**anti-DGAT1 antibody (AA 200-300)**[Go to Product page](#)

## 9 Images

## Overview

Quantity:	100 µL
Target:	DGAT1
Binding Specificity:	AA 200-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DGAT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 200-300 of human DGAT1 (NP_036211.2).
Sequence:	AHTILFLKLF SYRDVNSWCR RARAKAASAG KKASSAAAPH TVSYPDNLTY RDLYYFLFAP TLCYELNFPR SPRIRKRFL RILEMLFFT QLQVGLIQW M
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

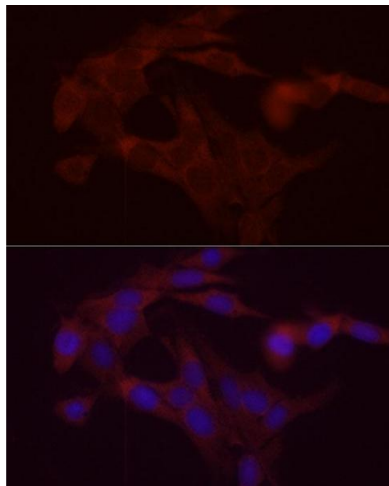
Target:	DGAT1
Alternative Name:	DGAT1 ( <a href="#">DGAT1 Products</a> )
Background:	<p>This gene encodes an multipass transmembrane protein that functions as a key metabolic enzyme. The encoded protein catalyzes the conversion of diacylglycerol and fatty acyl CoA to triacylglycerol. This enzyme can also transfer acyl CoA to retinol. Activity of this protein may be associated with obesity and other metabolic diseases.,DGAT1,ARAT,ARGP1,DGAT,DIAR7,Cancer,Signal Transduction,Endocrine &amp; Metabolism,Lipid Metabolism,Cardiovascular,Lipids,Fatty Acids,DGAT1</p>
Molecular Weight:	55 kDa
Gene ID:	8694
UniProt:	<a href="#">O75907</a>
Pathways:	<a href="#">Hormone Transport</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

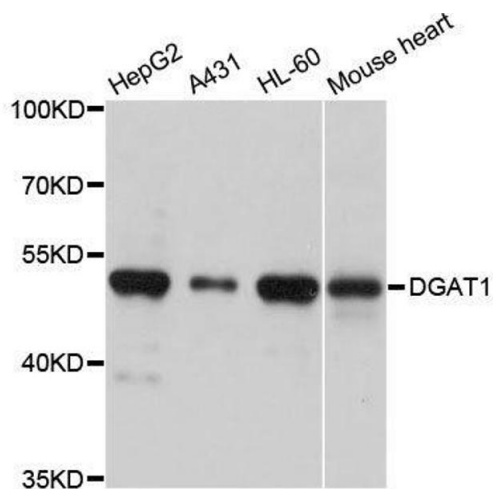
## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



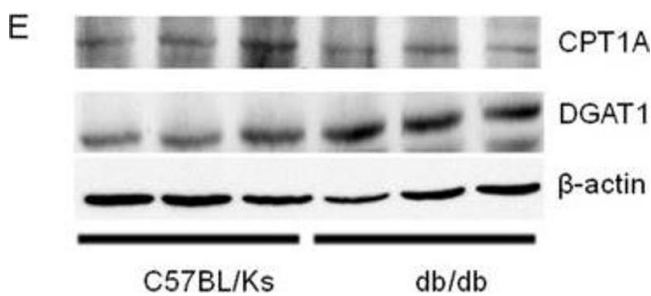
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of PC-12 cells using DG Rabbit pAb (ABIN6134325, ABIN6139556, ABIN6139557 and ABIN6222582) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using DGAT1 antibody.



### Western Blotting

**Image 3.** miR-30c-5p expression and triglyceride accumulation in db/db mice (A) Relative expression of miR-30c-5p among different organs. (B) Relative expression of miR-30c-5p in glucose-treated HepG2 cells. (C) Relative expression of miR-30c-5p in palmitate-treated HepG2 cells. (D) Histological analysis of hepatocyte by H&E and Oil Red O staining. (E and F) Protein levels of CPT-1A and DGAT1 in liver of db/db mice and normal controls. (G and H) Protein levels of CPT-1A and DGAT1 in HepG2 cells. - figure provided by CiteAb. Source: PMID28088781

Please check the [product details page](#) for more images. Overall 9 images are available for ABIN6139556.