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Datasheet for ABIN679572  
**anti-DGAT1 antibody (AA 251-350) (Cy5)**

### Overview

Quantity:	100 µL
Target:	DGAT1
Binding Specificity:	AA 251-350
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DGAT1 antibody is conjugated to Cy5
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DGAT1
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rat
Predicted Reactivity:	Pig,Horse
Purification:	Purified by Protein A.

### Target Details

Target:	DGAT1
Alternative Name:	Dgat1/Diglyceride Acyltransferase ( <a href="#">DGAT1 Products</a> )

## Target Details

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Background: Synonyms: ARAT, DGAT, ARGP1, DIAR7, Diacylglycerol O-acyltransferase 1, ACAT-related gene product 1, Acyl-CoA retinol O-fatty-acyltransferase, Retinol O-fatty-acyltransferase, Diglyceride acyltransferase, DGAT1, AGRP1

Background: 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.

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Gene ID: 8694

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UniProt: [O75907](#)

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Pathways: [Hormone Transport](#)

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months