

Diglyceride acyltransferase Antibody FITC Conjugated

Catalog No: #C04040F

Package Size: #C04040F 100ul

Description

Product Name	Diglyceride acyltransferase Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 285-330 488 derived from human DGAT1
Conjugates	FITC
Target Name	DGAT1 Diglyceride acyltransferase
Other Names	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
Accession No.	Swiss-Prot#O75907NCBI Gene ID8694
Cell Localization	Luminal
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IF=1:50-200

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.