

ARG64119 anti-DGAT1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes DGAT1
Tested Reactivity	Hu, Ms
Predict Reactivity	Cow, Rat, Dog
Tested Application	FACS, IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	DGAT1
Species	Human
Immunogen	C-QNSMKPFKMDYS
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

Application table	Application	Dilution
	FACS	10 µg/ml
	IHC-P	3 - 5 µg/ml
	WB	0.01 - 0.1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

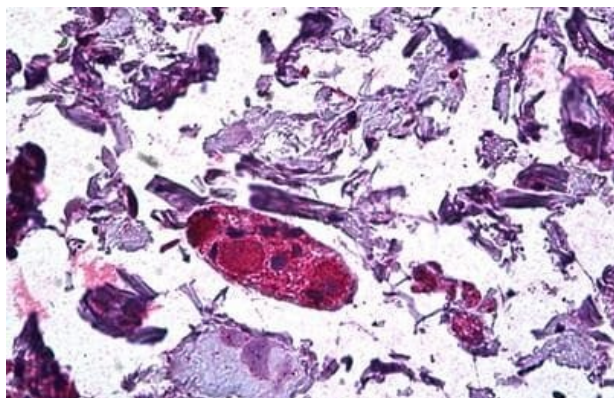
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

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

Database links	GeneID: 13350 Mouse GeneID: 8694 Human Swiss-port # O75907 Human Swiss-port # Q9Z2A7 Mouse
Background	The enzyme encoded by this gene utilizes diacylglycerol and fatty acyl CoA as substrates in order to catalyze the final stage of triacylglycerol synthesis. It is also involved in cellular as well as physiological metabolic processes. [provided by RefSeq, Jul 2008]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	55 kDa

Images



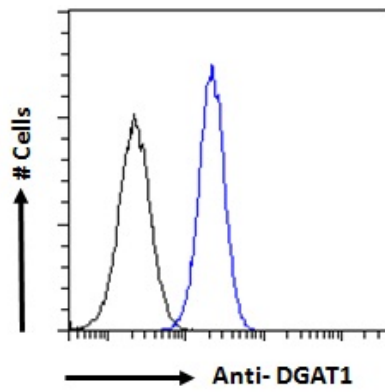
ARG64119 anti-DGAT1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64119 anti-DGAT1 antibody at 3.75 µg/ml dilution followed by AP-staining.



ARG64119 anti-DGAT1 antibody WB image

Western blot: 35 µg of Mouse liver lysate (in RIPA buffer) stained with ARG64119 anti-DGAT1 antibody at 0.03 µg/ml dilution and incubated at RT for 1 hour.



ARG64119 anti-DGAT1 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed A431 cells permeabilized with 0.5% Triton. Cells were stained with ARG64119 anti-DGAT1 antibody (blue line) at 10 µg/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).