

ARG64152 anti-DGAT2 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes DGAT2
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Dog
Tested Application	FACS, IHC-P
Specificity	This antibody is not expected to cross-react with other DGAT members.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	DGAT2
Species	Human
Immunogen	C-KLEHPTQQDIDLYH
Conjugation	Un-conjugated
Alternate Names	Diacylglycerol O-acyltransferase 2; HMFN1045; ARAT; Retinol O-fatty-acyltransferase; EC 2.3.1.76; Diglyceride acyltransferase 2; Acyl-CoA retinol O-fatty-acyltransferase; EC 2.3.1.20; GS1999FULL

Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	IHC-P	3 µg/ml

Application Note IHC-P: Antigen Retrieval: Microwaved tissue section in Tris/EDTA buffer (pH 9.0).
* 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 ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
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: 84649 Human](#)

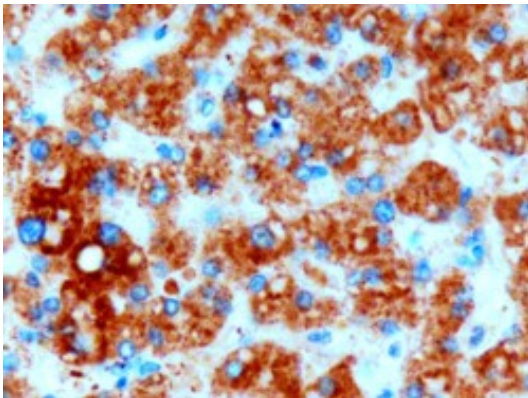
[Swiss-port # Q96PD7 Human](#)

Background This gene encodes one of two enzymes which catalyzes the final reaction in the synthesis of triglycerides in which diacylglycerol is covalently bound to long chain fatty acyl-CoAs. The encoded protein catalyzes this reaction at low concentrations of magnesium chloride while the other enzyme has high activity at high concentrations of magnesium chloride. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

Research Area Cell Biology and Cellular Response antibody; Controls and Markers antibody; Metabolism antibody; Signaling Transduction antibody

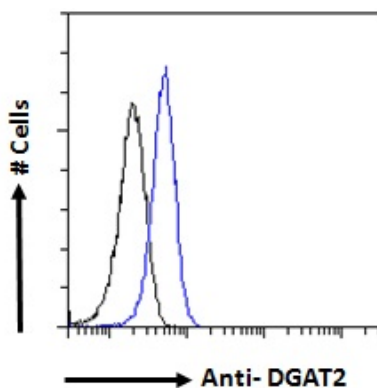
Calculated Mw 44 kDa

Images



ARG64152 anti-DGAT2 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Liver. (Microwaved antigen retrieval with Tris/EDTA buffer pH9) stained with ARG64152 anti-DGAT2 antibody at 3 $\mu\text{g}/\text{ml}$ dilution followed by HRP-staining.



ARG64152 anti-DGAT2 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed HeLa cells permeabilized with 0.5% Triton. Cells were stained with ARG64152 anti-DGAT2 antibody (blue line) at 10 $\mu\text{g}/\text{ml}$ dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).