Product Datasheet

DGAT1 Rabbit mAb

Catalog No: #56638

Package Size: #56638-1 50ul #56638-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	DGAT1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human
Specificity	DGAT1 Antibody detects endogenous levels of total DGAT1
Immunogen Description	A synthesized peptide derived from human DGAT1
Conjugates	Unconjugated
Other Names	ARAT; ARGP1; C75990; Dgat; DGAT1; DIAR7; Diglyceride acyltransferase;
Accession No.	Uniprot:O75907
Calculated MW	55kDa
SDS-PAGE MW	48kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Application Details

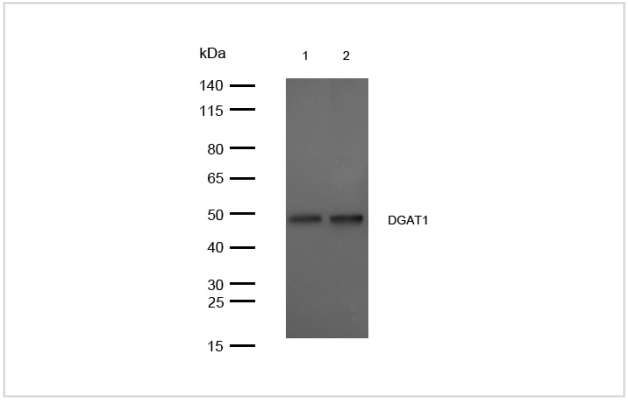
WB:1:1000~1:5000

ICC/IF:1:50~1:200

IP:1:50

FC:1:60

Images



All lanes: DGAT1 Rabbit mAb at 1/1k dilution

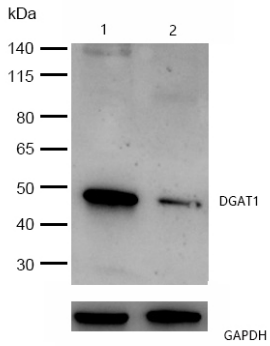
Lane 1 : JK whole cell lysates Lane 2 : Hela whole cell lysates

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 55 kDa
Observed band size: 48 kDa

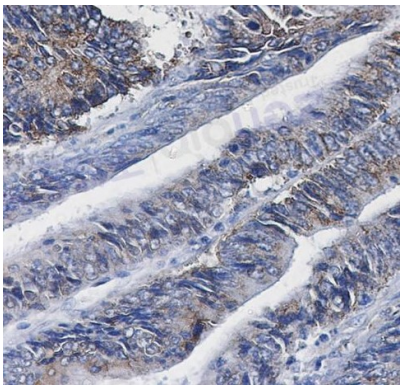
Exposure time: 6 seconds



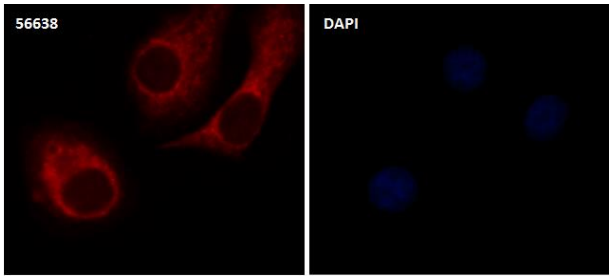
All lanes:DGAT1 Rabbit mAb at 1/1k dilution

Lane 1 : Wild-type HCT116 cell lysate
Lane 2 :DGAT1 knockdown HCT116 cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human colon cancer tissue stained for DGAT1 using 56638 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence DGAT1 antibody (56638) ICC/IF staining of DGAT1 in Hela cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 56638 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 647 goat anti rabbit, used at a dilution of 1/500.

Nuclei were counterstained with DAPI.

Product Description

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.

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