

Product datasheet

Anti-DGAT2 antibody ab237613

1 References 4 Images

Overview

Product name	Anti-DGAT2 antibody
Description	Rabbit polyclonal to DGAT2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant fragment corresponding to Human DGAT2 aa 1-66. Database link: Q96PD7
Positive control	WB: Mouse heart, liver, spleen, lung, kidney, brain and skeletal muscle lysates. IHC-P: Human liver and testis tissue. ICC/IF: HeLa cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.03% Proclin Constituents: 50% Glycerol, PBS
Purity	Protein G purified
Purification notes	Purity greater than 95%.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab237613** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

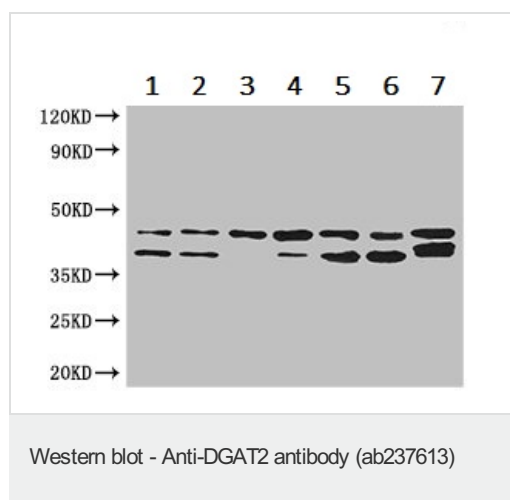
Application	Abreviews	Notes
WB		1/500 - 1/5000.

Application	Abreviews	Notes
IHC-P		1/20 - 1/200.
ICC/IF		1/50 - 1/200.

Target

Function	Essential acyltransferase that catalyzes the terminal and only committed step in triacylglycerol synthesis by using diacylglycerol and fatty acyl CoA as substrates. Required for synthesis and storage of intracellular triglycerides. Probably plays a central role in cytosolic lipid accumulation.
Tissue specificity	Predominantly expressed in liver and white adipose tissue. Expressed at lower level in mammary gland, testis and peripheral blood leukocytes. Expressed in sebaceous glands of normal skin but decreased psoriatic skin.
Pathway	Glycerolipid metabolism; triacylglycerol biosynthesis.
Sequence similarities	Belongs to the diacylglycerol acyltransferase family.
Cellular localization	Endoplasmic reticulum membrane.

Images



All lanes : Anti-DGAT2 antibody (ab237613) at 1/500 dilution

Lane 1 : Mouse heart lysate

Lane 2 : Mouse liver lysate

Lane 3 : Mouse spleen lysate

Lane 4 : Mouse lung lysate

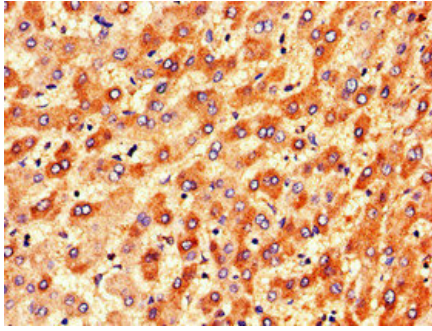
Lane 5 : Mouse kidney lysate

Lane 6 : Mouse brain lysate

Lane 7 : Mouse skeletal muscle lysate

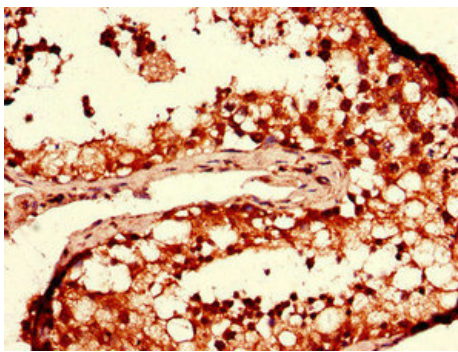
Secondary

All lanes : Goat polyclonal to rabbit IgG at 1/50000 dilution



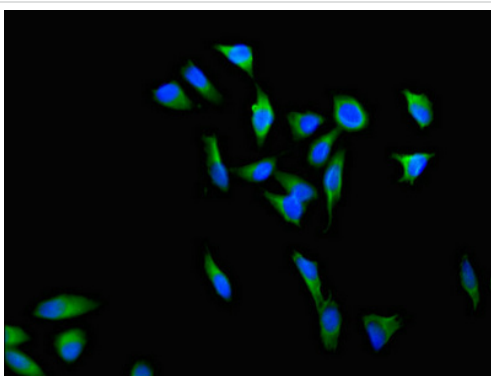
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DGAT2 antibody (ab237613)

Paraffin-embedded human liver tissue stained for DGAT2 using ab237613 at 1/100 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DGAT2 antibody (ab237613)

Paraffin-embedded human testis tissue stained for DGAT2 using ab237613 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence - Anti-DGAT2 antibody (ab237613)

HeLa (Human epithelial cell line from cervix adenocarcinoma) cells stained for DGAT2 (green) using ab237613 at 1/100 dilution in ICC/IF. Secondary antibody is an Alexa-Fluor[®] 488-conjugated Goat Anti-Rabbit IgG (H+L).

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