

DGAT2 Rabbit mAb

Catalog No.: A29558 **Recombinant**

Basic Information

Observed MW

40 kDa

Calculated MW

44 kDa

Category

Primary antibody

Applications

WB, IHC-P, ELISA

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC84548

Background

Enables 2-acylglycerol O-acyltransferase activity; diacylglycerol O-acyltransferase activity; and protein homodimerization activity. Involved in several processes, including cellular response to oleic acid; cholesterol homeostasis; and diacylglycerol biosynthetic process. Acts upstream of or within triglyceride biosynthetic process. Located in endoplasmic reticulum; membrane; and perinuclear region of cytoplasm. Is active in endoplasmic reticulum membrane. Colocalizes with lipid droplet and mitochondrion. Is expressed in several structures, including alimentary system; genitourinary system; integumental system; nervous system; and sensory organ. Human ortholog(s) of this gene implicated in metabolic dysfunction-associated steatotic liver disease. Orthologous to human DGAT2 (diacylglycerol O-acyltransferase 2).

Recommended Dilutions

WB 1:2000 - 1:5000**IHC-P** 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

67800

Swiss Prot

Q9DCV3

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

ARAT; DGAT-2; 0610010B06Rik

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

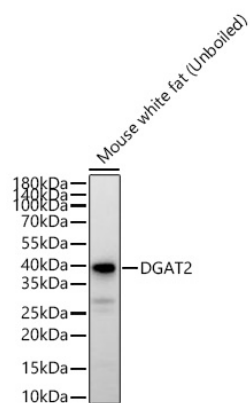
Storage

Store at -20°C

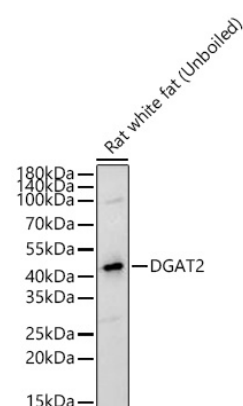
Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

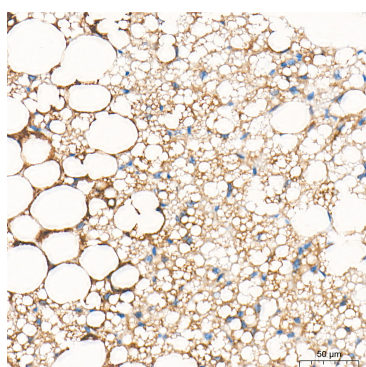
Validation Data



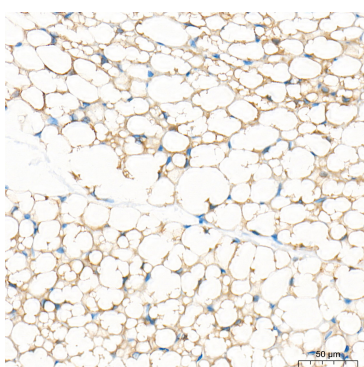
Western blot analysis of lysates from Mouse white fat using DGAT2 Rabbit mAb (A29558) at 1:5000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60 s.



Western blot analysis of lysates from Rat white fat using DGAT2 Rabbit mAb (A29558) at 1:5000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90 s.



Immunohistochemistry analysis of paraffin-embedded Mouse fat tissue using DGAT2 Rabbit mAb (A29558) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat fat tissue using DGAT2 Rabbit mAb (A29558) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.