

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 (≥1:10000)

Immunogen Information

Gene ID

67800

Swiss Prot

Q9DCV3

Immunogen

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

Synonyms

Contact

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

Product Information

Source

Rabbit

Isotype

IgG

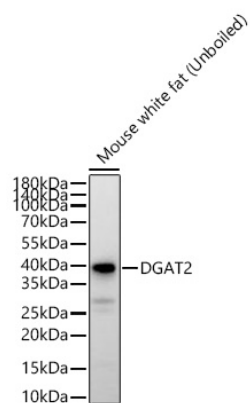
Purification

Affinity purification

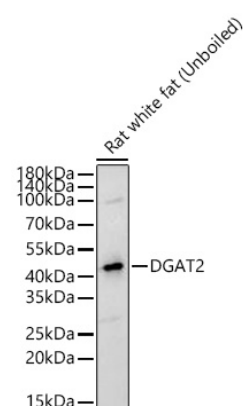
Storage

Store at -20°C

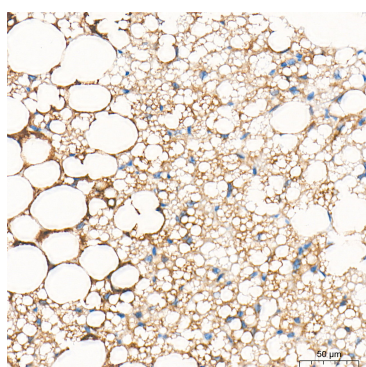
Validation Data



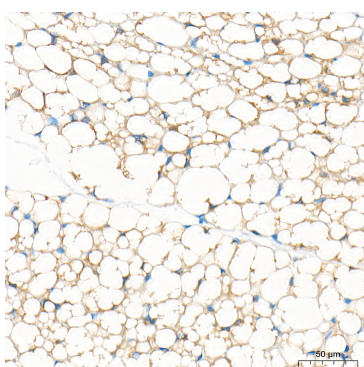
Western blot analysis of lysates from Mouse white fat using DGAT2 Rabbit mAb (A29558) at 1:5000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST.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