

Dgat2 antibody - C-terminal region

Rabbit Polyclonal Antibody Catalog # AI13125

Product Information

Application WB
Primary Accession Q9DCV3

Other Accession NM 026384, NP 080660

ReactivityHuman, Mouse, Rat, Rabbit, Pig, Goat, Dog, Guinea Pig, Horse, Bovine **Predicted**Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 43770

Additional Information

Gene ID 67800

Alias Symbol 0610010B06Rik, DGAT-2

Other Names Diacylglycerol O-acyltransferase 2, 2.3.1.20, Acyl-CoA retinol

O-fatty-acyltransferase, ARAT, Retinol O-fatty-acyltransferase, 2.3.1.76,

Diglyceride acyltransferase 2, Dgat2

Format Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium

azide and 2% sucrose.

Reconstitution & Storage Add 50 ul of distilled water. Final anti-Dgat2 antibody concentration is 1

mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at

20°C. Avoid repeat freeze-thaw cycles.

Precautions Dgat2 antibody - C-terminal region is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name Dgat2 {ECO:0000312 | MGI:MGI:1915050}

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. In liver, is primarily responsible for incorporating endogenously synthesized fatty acids into triglycerides. Also functions as an acyl-CoA retinol acyltransferase (ARAT) (By similarity). Also able to use 1-monoalkylglycerol (1-MAkG) as an acyl acceptor for the synthesis of monoalkyl-monoacylglycerol (MAMAG) (By

similarity).

Cellular Location Endoplasmic reticulum membrane {ECO:0000250 | UniProtKB:Q96PD7};

Multi-pass membrane protein {ECO:0000250 | UniProtKB:Q96PD7}. Lipid droplet {ECO:0000250 | UniProtKB:Q96PD7}. Cytoplasm, perinuclear region

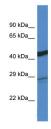
{ECO:0000250 | UniProtKB:Q96PD7}

Tissue Location Predominantly expressed in liver. Also expressed in testis.

References

Cases S.,et al.J. Biol. Chem. 276:38870-38876(2001).
Carninci P.,et al.Science 309:1559-1563(2005).
Meegalla R.L.,et al.Biochem. Biophys. Res. Commun. 298:317-323(2002).
Wakimoto K.,et al.Biochem. Biophys. Res. Commun. 310:296-302(2003).
Stone S.J.,et al.J. Biol. Chem. 279:11767-11776(2004).

Images



WB Suggested Anti-Dgat2 Antibody Titration: 1.0 μg/ml Positive Control: Mouse Heart

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.