

Dgat2 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13125**Specification**

Dgat2 antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O9DCV3
Other Accession	NM_026384 , NP_080660
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Goat, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44kDa kDa

Dgat2 antibody - C-terminal region - 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.

Dgat2 antibody - C-terminal region - 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. Functions also 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

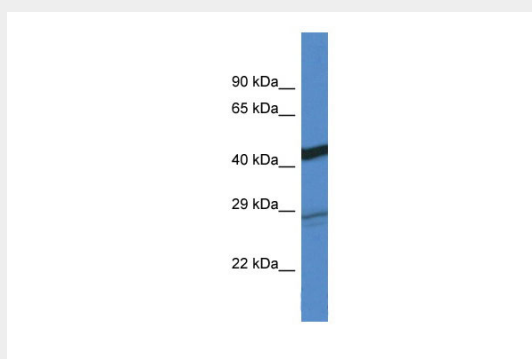
Predominantly expressed in liver. Also expressed in testis.

Dgat2 antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Dgat2 antibody - C-terminal region - Images



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

Dgat2 antibody - C-terminal region - 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).