

DGAT2 Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS13111**Specification**

DGAT2 Antibody (Internal) - Product Information

Application	IHC, WB
Primary Accession	Q96PD7
Reactivity	Human, Rabbit, Pig, Horse, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	44kDa KDa

DGAT2 Antibody (Internal) - Additional Information**Gene ID** 84649**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

Target/Specificity

Human DGAT2. This antibody is not expected to cross-react with other DGAT members.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

DGAT2 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

DGAT2 Antibody (Internal) - Protein Information**Name** DGAT2 ([HGNC:16940](#))**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 (PubMed:[27184406](http://www.uniprot.org/citations/27184406)). Probably plays a central role in cytosolic lipid accumulation. In liver, is primarily responsible for incorporating endogenously synthesized fatty acids into triglycerides (By similarity). 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) (PubMed:[28420705](http://www.uniprot.org/citations/28420705)).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Lipid droplet. Cytoplasm,

perinuclear region

Tissue Location

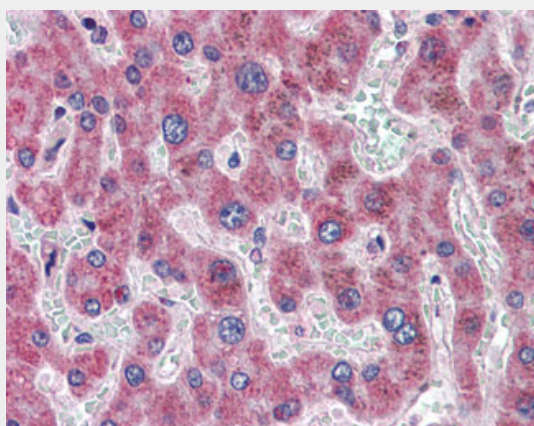
Predominantly expressed in liver and white adipose tissue. Expressed at lower level in mammary gland, testis and peripheral blood leukocytes. Expressed in sebaceous glands of normal skin but decreased psoriatic skin.

DGAT2 Antibody (Internal) - Protocols

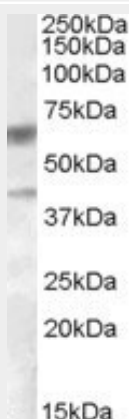
Provided below are standard protocols that you may find useful for product applications.

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

DGAT2 Antibody (Internal) - Images



Anti-DGAT2 antibody IHC of human liver.



Staining (0.5 ug/ml) of Human Liver lysate in the third lane (35 ug protein in RIPA buffer).

DGAT2 Antibody (Internal) - Background

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DGAT2 Antibody (Internal) - References

Cases S.,et al.J. Biol. Chem. 276:38870-38876(2001).
Wakimoto K.,et al.Biochem. Biophys. Res. Commun. 310:296-302(2003).
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Taylor T.D.,et al.Nature 440:497-500(2006).