



DGAT2 Polyclonal Antibody

Catalog No	YP-Ab-05516
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	DGAT2 HMFN1045 UNQ738/PRO1433
Immunogen	Synthesized peptide derived from part region of human protein. AA range 1-50
Specificity	DGAT2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:2.3.1.76;EC:2.3.1.20;Diglyceride acyltransferase 2;Diacylglycerol O-acyltransferase 2;ARAT;DGAT2;DGAT2 HMFN1045 UNQ738/PRO1433; Diacylglycerol O-acyltransferase 2 (EC 2.3.1.20) (Acyl-CoA retinol O-fatty-acyltransferase) (ARAT) (Retinol O-fatty-acyltransferase) (EC 2.3.1.76) (Diglyceride acyltransferase 2)
Observed Band	42kD
Calculated Molecular Weight	42kD
Cell Pathway	Endoplasmic reticulum membrane ; Multi-pass membrane protein . Lipid droplet . Cytoplasm, perinuclear region .
Tissue Specificity	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.
Function	catalytic activity:Acyl-CoA + 1,2-diacylglycerol = CoA + triacylglycerol.,enzyme regulation:Inhibited by niacin.,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.,pathway:Glycerolipid metabolism; triacylglycerol



biosynthesis.,similarity:Belongs to the diacylglycerol acyltransferase family.,
tissue specificity:Predominantly expressed in liver and white adipose tissue.
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psoriatic skin.,

Background

This gene encodes one of two enzymes which catalyzes the final reaction in the synthesis of triglycerides in which diacylglycerol is covalently bound to long chain fatty acyl-CoAs. The encoded protein catalyzes this reaction at low concentrations of magnesium chloride while the other enzyme has high activity at high concentrations of magnesium chloride. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011],

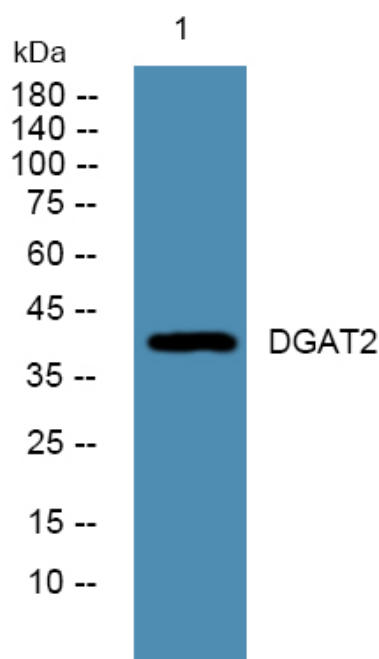
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from DU145 cells,
primary antibody was diluted at 1:1000, 4° over night