



# Anti-DGAT2 polyclonal antibody (DPABY-740)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Immunogen</b>	C-KLEHPTQQDIDLYH
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA Pr*, IHC, IHC-P, WB
<b>Format</b>	Liquid
<b>Concentration</b>	0.5 mg/ml
<b>Size</b>	100 µg
<b>Buffer</b>	Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Aliquot and store at -26°C. Minimize freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DGAT2 diacylglycerol O-acyltransferase 2 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	DGAT2
<b>Synonyms</b>	DGAT2; diacylglycerol O-acyltransferase 2; ARAT; HMFN1045; GS1999FULL; diglyceride acyltransferase 2; retinol O-fatty-acyltransferase; acyl-CoA retinol O-fatty-acyltransferase; diacylglycerol O-acyltransferase homolog 2; diacylglycerol O-acyltransferase-I
<b>Entrez Gene ID</b>	<a href="#">84649</a>
<b>Protein Refseq</b>	<a href="#">NP_001240820</a>
<b>UniProt ID</b>	<a href="#">Q96PD7</a>
<b>Chromosome Location</b>	11q13.5
<b>Pathway</b>	Acyl chain remodeling of DAG and TAG; Fat digestion and absorption; Fatty acid, triacylglycerol, and ketone body metabolism; Glycerolipid metabolism; Glycerophospholipid biosynthesis; Metabolism; Metabolism of lipids and lipoproteins; Phospholipid metabol
<b>Function</b>	2-acylglycerol O-acyltransferase activity; diacylglycerol O-acyltransferase activity; protein homodimerization activity; retinol O-fatty-acyltransferase activity;