

Product datasheet for **TA336817**

DGAT2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1 ug/ml
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A synthetic peptide made to an internal region of the human DGAT2 protein (within residues 200-300). [Swiss-Prot Q96PD7]
Formulation:	PBS, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	diacylglycerol O-acyltransferase 2
Database Link:	NP_115953 Entrez Gene 67800 Mouse Entrez Gene 84649 Human Q96PD7
Background:	Diacylglycerol acyltransferase enzyme 2 is localized within the endoplasmic reticulum, mitochondria and lipid droplets. It catalyzes triacylglycerol synthesis, which creates the major form of stored energy in cells. In mice, when DGAT2 is overexpressed in the liver, hepatocytes have abnormally high levels of lipid retention, elevated triglyceride, diacylglycerol and ceramide, while maintaining a normal insulin response. This indicates that insulin resistance and elevated hepatic lipid retention are associated. DGAT2 is associated with increases in PKC activation, which is implicated in the formation of nonalcoholic fatty liver disease. DGAT2 is critical for lipid droplet formation in adipocytes.
Synonyms:	ARAT; GS1999FULL; HMFN1045



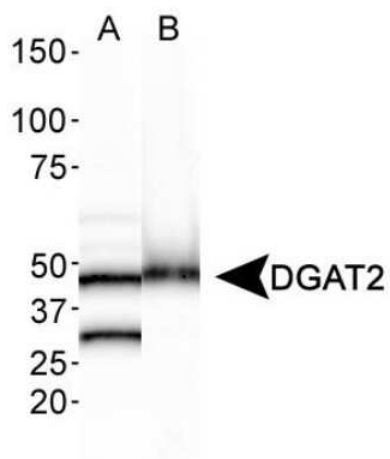
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Note: This DGAT2 antibody is useful for Western blot, where a band is seen ~43 kDa.

Protein Families: Transmembrane

Protein Pathways: Glycerolipid metabolism, Metabolic pathways, Retinol metabolism

Product images:



Western Blot: DGAT2 Antibody TA336817 - Analysis of DGAT2 in A. human liver lysate and B. mouse brain lysate.