

Rabbit DGAT1 Polyclonal Antibody | anti-DGAT1 antibody

DGAT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328971	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Dog(100%), Xenopus(100%)	ELISA

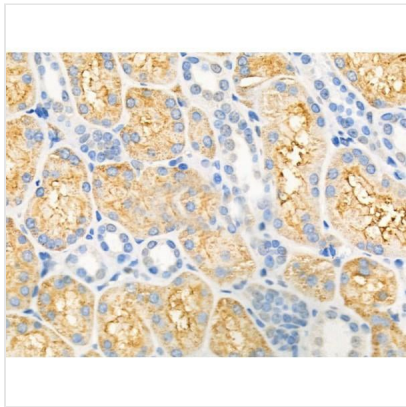
PRODUCT SYNONYMS

DGAT1; Polyclonal Antibody; DGAT1 Antibody; ACAT related gene product 1; ACAT-related gene product 1; Acyl coenzyme A:cholesterol acyltransferase related gene 1; Acyl-CoA retinol O-fatty-acyltransferase; Acyl-CoA:diacylglycerol acyltransferase; ARAT; ARGP1; C75990; D15Ert23e; Dgat; DGAT1_HUMAN; Diacylglycerol O acyltransferase 1; Diacylglycerol O-acyltransferase 1; DIAR7; Diglyceride acyltransferase; EC 2.3.1.20; hCG_24006; MGC139064; Retinol O fatty acyltransferase; anti-DGAT1 antibody

PRODUCT SPECIFICATIONS

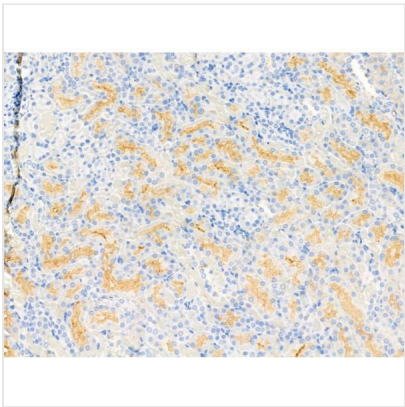
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Dog(100%), Xenopus(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	DGAT1 Antibody detects endogenous levels of total DGAT1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	488
Applicable Applications for anti-DGAT1 antibody	ELISA
Immunogen	A synthesized peptide derived from human DGAT1, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



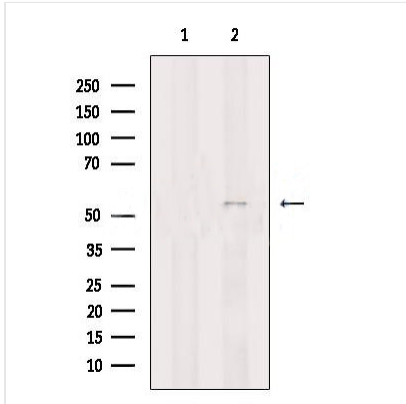
IHC (Immunohistochemisry)

AAA328971 at 1/100 staining Human kidney cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohiostchemistry)

AAA328971 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from 293T, using DGAT1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-DGAT1 antibody

Function: Catalyzes the terminal and only committed step in triacylglycerol synthesis by using diacylglycerol and fatty acyl CoA as substrates. In contrast to DGAT2 it is not essential for survival. May be involved in VLDL (very low density lipoprotein) assembly. In liver, plays a role in esterifying exogenous fatty acids to glycerol. Functions as the major acyl-CoA retinol acyltransferase (ARAT) in the skin, where it acts to maintain retinoid homeostasis and prevent retinoid toxicity leading to skin and hair disorders.

Subcellular Location: Endoplasmic reticulum membrane>Multi-pass membrane protein.

Subunit Structure: Homodimer or homotetramer.

Similarity: Belongs to the membrane-bound acyltransferase family. Sterol o-acyltransferase subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33302597
NCBI GeneID	8694
UniProt Accession #	O75907

Molecular Weight	Observed Molecular Weight: (Observed)55kD. Predicted Molecular Weight: (Calculated)55kDa.
NCBI Official Full Name	Diacylglycerol O-acyltransferase 1
NCBI Official Synonym Full Names	diacylglycerol O-acyltransferase 1
NCBI Official Symbol	DGAT1
NCBI Official Synonym Symbols	ARAT; DGAT; ARGP1; DIAR7
NCBI Protein Information	diacylglycerol O-acyltransferase 1
UniProt Protein Name	Diacylglycerol O-acyltransferase 1
UniProt Gene Name	DGAT1
UniProt Synonym Gene Names	AGRP1; DGAT; ARAT; Retinol O-fatty-acyltransferase
UniProt Entry Name	DGAT1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dgat1-antibody-elisa/328971>