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Rabbit Anti-MOGAT3 antibody

SL17706R

Product Name:	MOGAT3
Chinese Name:	MOGAT3蛋白抗体
Alias:	2 acylglycerol O acyltransferase 3; 2-acylglycerol O-acyltransferase 3; Acyl CoA:monoacylglycerol acyltransferase 3; Acyl coenzyme A:monoacylglycerol acyltransferase 3; Acyl-CoA:monoacylglycerol acyltransferase 3; DC 7; DC7; DGAT2L7; Diacylglycerol acyltransferase 2 like protein 7; Diacylglycerol acyltransferase 2-like protein 7; Diacylglycerol O acyltransferase candidate 7; Diacylglycerol O-acyltransferase candidate 7; hDC 7; hDC7; MGAT 3; MGAT3; MGC119203; MGC119204; MOGAT 3; MOGAT3; MOGT3_HUMAN; Monoacylglycerol O acyltransferase 3; Monoacylglycerol O-acyltransferase 3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	39kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MOGAT3:1-80/141
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

Product Detail:	Acyl-CoA:monoacylglycerol acyltransferase (MOGAT; EC 2.3.1.22) catalyzes the synthesis of diacylglycerol from 2-monoacylglycerol and fatty acyl-CoA (Cheng et al., 2003 [PubMed 12618427]).[supplied by OMIM, Mar 2008] **Function:** Catalyzes the formation of diacylglycerol from 2-monoacylglycerol and fatty acyl-CoA. Also able to catalyze the terminal step in triacylglycerol synthesis by using diacylglycerol and fatty acyl-CoA as substrates. Has a preference toward palmitoyl-CoA and oleoyl-CoA. May be involved in absorption of dietary fat in the small intestine by catalyzing the resynthesis of triacylglycerol in enterocytes. **Subcellular Location:** Endoplasmic reticulum membrane. **Tissue Specificity:** Selectively expressed in the digestive system. Highly expressed in the ileum, and at lower level in jejunum, duodenum, colon, cecum and the rectum. Not expressed in the stomach and the esophagus and trachea. Expressed at very low level in liver. **Similarity:** Belongs to the diacylglycerol acyltransferase family. **SWISS:** Q86VF5 **Gene ID:** 346606 **Database links:** Entrez Gene: 346606 Human Omim: 610184 Human SwissProt: Q86VF5 Human Unigene: 512217 Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.