



# MOGT3 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-05222
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	MOGAT3 DC7 DGAT2L7 UNQ9383/PRO34208
<b>Protein Name</b>	2-acylglycerol O-acyltransferase 3 (EC 2.3.1.20) (EC 2.3.1.22) (Acyl-CoA:monoacylglycerol acyltransferase 3) (MGAT3) (Diacylglycerol O-acyltransferase candidate 7) (hDC7) (Diacylglycerol acyltransferase)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 10-90
<b>Specificity</b>	MOGT3 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	37kD
<b>Cell Pathway</b>	Endoplasmic reticulum membrane ; Multi-pass membrane protein . Cytoplasm, perinuclear region .
<b>Tissue Specificity</b>	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.
<b>Function</b>	catalytic activity:Acyl-CoA + 1,2-diacylglycerol = CoA + triacylglycerol.,catalytic activity:Acyl-CoA + 2-acylglycerol = CoA + diacylglycerol.,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.,pathway:Glycerolipid metabolism; triacylglycerol biosynthesis.,similarity:Belongs to the diacylglycerol acyltransferase family.,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 tr

**Background**

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],

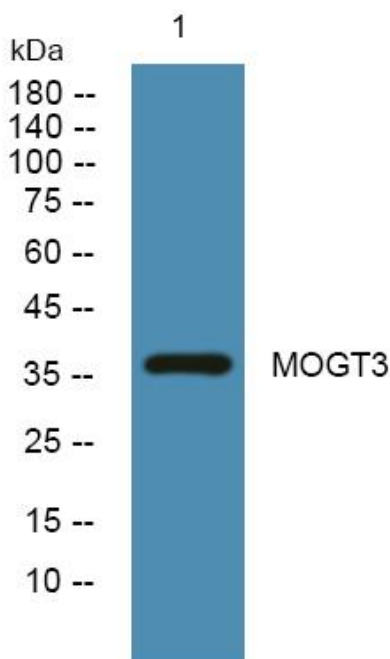
**matters needing attention**

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 Jarkat cells, primary antibody was diluted at 1:1000, 4° over night