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Rabbit Anti-MOGT1 antibody

SL17707R

Product Name:	MOGT1
Chinese Name:	MOGT1蛋白抗体
Alias:	0610030A14Rik; 1110064N14Rik; 2-acylglycerol O-acyltransferase 1; Acyl CoA:monoacylglycerol acyltransferase 1; Acyl-CoA:monoacylglycerol acyltransferase 1; DGAT2L; DGAT2L1; Diacylglycerol acyltransferase 2 like; Diacylglycerol acyltransferase 2-like protein 1; Diacylglycerol O acyltransferase 2 like 1; Diacylglycerol O-acyltransferase candidate 2; hDC2; mDC2; MGAT1; MGC118035; MOGAT1; MOGT1_HUMAN; Monoacylglycerol O acyltransferase 1; Monoacylglycerol O-acyltransferase 1; OTTMUSP00000025181.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Rabbit,
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 MOGT1:251-335/335
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 diacylglycerols, the precursor of physiologically important lipids such as triacylglycerol and phospholipids (Yen et al., 2002 [PubMed 12077311]).[supplied by OMIM, Mar 2008]

Function:
Catalyzes the formation of diacylglycerol from 2-monoacylglycerol and fatty acyl-CoA. Probably not involved in absorption of dietary fat in the small intestine.

Subcellular Location:
Endoplasmic reticulum membrane.

Similarity:
Belongs to the diacylglycerol acyltransferase family.

SWISS:
Q96PD6

Gene ID:
116255

Database links:

Entrez Gene: 116255 Human

Entrez Gene: 68393 Mouse

Entrez Gene: 363261 Rat

Omim: 610268 Human

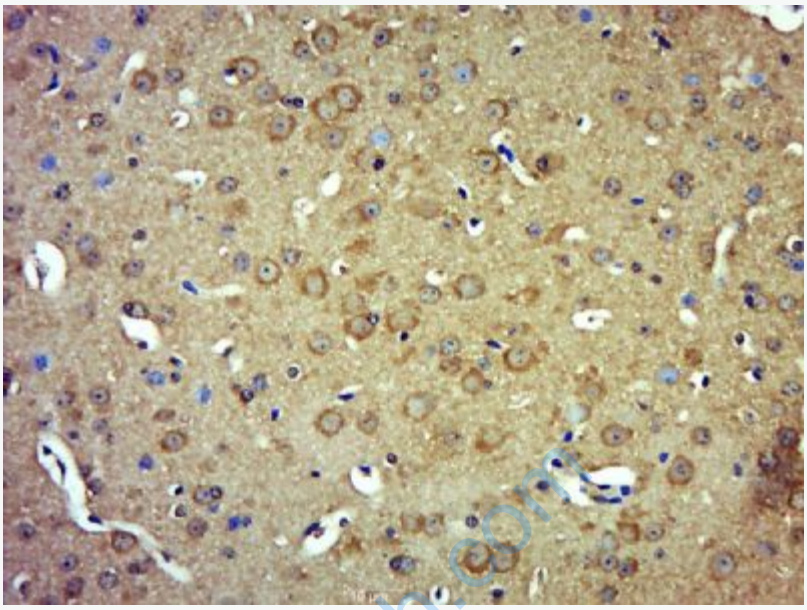
SwissProt: Q96PD6 Human

SwissProt: Q91ZV4 Mouse

Unigene: 344090 Human

Unigene: 41325 Mouse

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:	 Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MOGT1) Polyclonal Antibody, Unconjugated (SL17707R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.