

**MOGT3 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11954b****Specification**

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**MOGT3 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q86VF5](#)**MOGT3 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 346606**Other Names**

2-acylglycerol O-acyltransferase 3, Acyl-CoA:monoacylglycerol acyltransferase 3, MGAT3, Diacylglycerol O-acyltransferase candidate 7, hDC7, Diacylglycerol acyltransferase 2-like protein 7, Monoacylglycerol O-acyltransferase 3, MOGAT3, DC7, DGAT2L7

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**MOGT3 Antibody (C-term) Blocking peptide - Protein Information****Name** MOGAT3 ([HGNC:23249](#))**Synonyms** DC7, DGAT2L7**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. Also able to use 1-monoalkylglycerol (1-MAkG) as an acyl acceptor for the synthesis of monoalkyl-monoacylglycerol (MAMAG) (PubMed:<a href="http://www.uniprot.org/citations/28420705" target="\_blank">28420705</a>).

**Cellular Location**

Endoplasmic reticulum membrane; Multi-pass membrane protein. Cytoplasm, perinuclear region

**Tissue Location**

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

### **MOGT3 Antibody (C-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **MOGT3 Antibody (C-term) Blocking peptide - Images**

### **MOGT3 Antibody (C-term) Blocking peptide - Background**

Acyl-CoA:monoacylglycerol acyltransferase (MOGAT; EC2.3.1.22) catalyzes the synthesis of diacylglycerol from 2-monoacylglycerol and fatty acyl-CoA (Cheng et al., 2003 [PubMed12618427]).

### **MOGT3 Antibody (C-term) Blocking peptide - References**

Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003) Cheng, D., et al. J. Biol. Chem. 278(16):13611-13614(2003) Winter, A., et al. Cytogenet. Genome Res. 102 (1-4), 42-47 (2003) :