

Rabbit anti-Mouse MOGT2 Polyclonal Antibody | anti-Mogat2 antibody

Mouse MOGT2 Antibody (C-term)

CATALOG # AAA288711	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS ELISA, Western Blot
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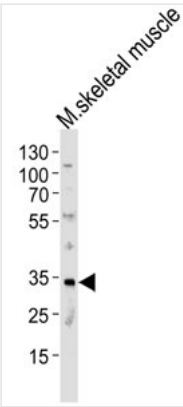
PRODUCT SYNONYMS

MOGT2; Polyclonal Antibody; Mouse MOGT2 Antibody (C-term); 2-acylglycerol O-acyltransferase 2; Acyl-CoA:monoacylglycerol acyltransferase 2; MGAT2; Diacylglycerol acyltransferase 2-like protein 5; Monoacylglycerol O-acyltransferase 1-like; Monoacylglycerol O-acyltransferase 2; Mogat2; Dgat2l5; Mgat1l; anti-Mogat2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse MOGT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 278-312 amino acids from the C-terminal region of mouse MOGT2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	278-312
Applicable Applications for anti-Mogat2 antibody	ELISA, WB (Western Blot)
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein. Cytoplasm, perinuclear region {ECO:0000250 UniProtKB:Q3SYC2}
Tissue Location	Mainly expressed in small intestine. Detected in the small intestine in a proximal-to-distal gradient that correlated with fat absorption pattern. Present not only in the villi, but also in the crypt regions of the small intestine, which suggests that expression occurs prior to the maturation of enterocytes. Not detectable in other sections of the digestive tract, including stomach, cecum, colon and rectum, or other tissues such as kidney, liver and adipocytes (at protein level) Also detected in kidney, adipose and stomach. Expressed at very low level in liver, skeletal muscle and spleen. Not expressed in brain, heart, lung, skin, testis and thymus.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of lysate from mouse skeletal muscle tissue lysate, using MOGT2 Antibody (C-term). AAA288711 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-Mogat2 antibody	MOGT2 catalyzes the formation of diacylglycerol from 2-monoacylglycerol and fatty acyl-CoA. It exhibits a preference toward monoacylglycerols containing unsaturated fatty acids in the order of C18:3 > C18:2 > C18:1 > C18:0. This protein plays a central role in absorption of dietary fat in the small intestine by catalyzing the resynthesis of triacylglycerol in enterocytes. MOGT2 may play a role in diet-induced obesity.
Product Categories/Family for anti-Mogat2 antibody	Signal Transduction
References	Cao,J., J. Biol. Chem. 279 (18), 18878-18886 (2004) Cao,J., J. Biol. Chem. 278 (28), 25657-25663 (2003) Yen,C.L., J. Biol. Chem. 278 (20), 18532-18537 (2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	28974982
NCBI GeneID	233549
NCBI Accession #	NP_803231.1
NCBI GenBank Nucleotide #	NM_177448.4
UniProt Accession #	Q80W94
Molecular Weight	38591
NCBI Official Full Name	2-acylglycerol O-acyltransferase 2
NCBI Official Synonym Full Names	monoacylglycerol O-acyltransferase 2
NCBI Official Symbol	Mogat2
NCBI Official Synonym Symbols	MGAT2; Mgat1l; DGAT2L5
NCBI Protein Information	2-acylglycerol O-acyltransferase 2
UniProt Protein Name	2-acylglycerol O-acyltransferase 2
UniProt Gene Name	Mogat2
UniProt Synonym Gene Names	Dgat2l5; Mgat1l; MGAT2
UniProt Entry Name	MOGT2_MOUSE

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/mogt2-antibody-western-blot-elisa/288711>