

ARG42160 anti-MOGAT2 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MOGAT2
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Gpig, Hrs, Pig, Rb, Yeast, Zfsh
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MOGAT2
Species	Human
Immunogen	Synthetic peptide around the middle region of Human MOGAT2. (within the following region: LLGII VGGAQ EALDA RPGSF TLLLR NRKGF VRLAL THGAP LVPIF SFGEN)
Conjugation	Un-conjugated
Alternate Names	DGAT2L5; Acyl-CoA:monoacylglycerol acyltransferase 2; 2-acylglycerol O-acyltransferase 2; Diacylglycerol O-acyltransferase candidate 5; Diacylglycerol acyltransferase 2-like protein 5; MGAT2; hDC5; hMGAT2; EC 2.3.1.22; Monoacylglycerol O-acyltransferase 2

Application Instructions

Predict Reactivity Note	Predicted Homology Based on Immunogen Sequence: Cow: 92%; Dog: 92%; Guinea pig: 86%; Horse: 85%; Mouse: 100%; Pig: 92%; Rabbit: 100%; Rat: 100%; Yeast: 77%; Zebrafish: 85%				
Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>WB</td><td>0.2 - 1 µg/ml</td></tr> </table>	Application	Dilution	WB	0.2 - 1 µg/ml
Application	Dilution				
WB	0.2 - 1 µg/ml				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Positive Control	Human liver				
Observed Size	~ 40 kDa				

Properties

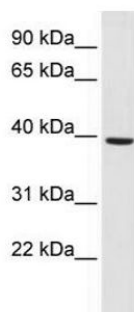
Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose

Concentration	Batch dependent: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	MOGAT2
Gene Full Name	monoacylglycerol O-acyltransferase 2
Background	The protein encoded by this gene is an enzyme that catalyzes the synthesis of diacylglycerol from 2-monoacylglycerol and fatty acyl-CoA. The encoded protein is important in the uptake of dietary fat by the small intestine. This protein forms a complex with diacylglycerol O-acyltransferase 2 in the endoplasmic reticulum, and this complex catalyzes the synthesis of triacylglycerol. [provided by RefSeq, Dec 2015]
Function	Catalyzes the formation of diacylglycerol from 2-monoacylglycerol and fatty acyl-CoA. Has a preference toward monoacylglycerols containing unsaturated fatty acids in an order of C18:3 > C18:2 > C18:1 > C18:0. Plays a central role in absorption of dietary fat in the small intestine by catalyzing the resynthesis of triacylglycerol in enterocytes. May play a role in diet-induced obesity. [UniProt]
Calculated Mw	38 kDa
Cellular Localization	Endoplasmic reticulum membrane; Multi-pass membrane protein. [UniProt]

Images



Human liver

ARG42160 anti-MOGAT2 antibody WB image

Western blot: Human liver lysate stained with ARG42160 anti-MOGAT2 antibody at 0.2 - 1 µg/ml dilution.