

ARG44235 anti-MOGAT2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MOGAT2
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MOGAT2
Species	Human
Immunogen	Recombinant protein of Human MOGAT2
Conjugation	Un-conjugated
Alternate Names	MOGAT2; Monoacylglycerol O-Acyltransferase 2; DGAT2L5; MGAT2; Diacylglycerol Acyltransferase 2-Like Protein 5; Diacylglycerol O-Acyltransferase Candidate 5; Acyl-CoA:Monoacylglycerol Acyltransferase 2; 2-Acylglycerol O-Acyltransferase 2; FLJ22644; HDC5; EC 2.3.1.22; DGAT2L5.; EC 2.3.1; HMGAT2; DC5

Application Instructions

Application table	Application	Dilution
	FACS	1-3 µg/1x10 ⁶ cells
	ICC/IF	5 µg/ml
	WB	0.25-0.5 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 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

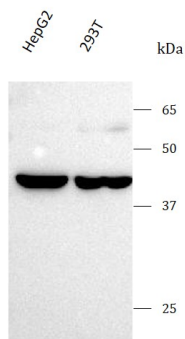
Gene Symbol	MOGAT2
Gene Full Name	Monoacylglycerol O-Acyltransferase 2
Background	The protein encoded by this gene is an enzyme that catalyzes the synthesis of diacylglycerol from 2-monoacylglycerol and fatty acyl-CoA. The encoded protein is important in the uptake of dietary fat by the small intestine. 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



ARG44235 anti-MOGAT2 antibody ICC/IF image

Immunofluorescence: HepG2 stained with ARG44235 anti-MOGAT2 antibody at 5 µg/ml dilution.

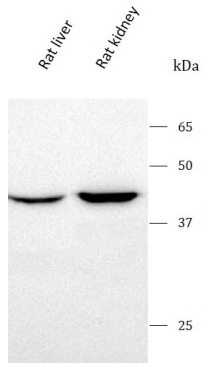


ARG44235 anti-MOGAT2 antibody WB image

Western blot: HepG2 and 293T stained with ARG44235 anti-MOGAT2 antibody at 0.5 µg/mL dilution.

ARG44235 anti-MOGAT2 antibody WB image

Western blot: Rat liver and Rat kidney stained with ARG44235 anti-MOGAT2 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.



ARG44235 anti-MOGAT2 antibody WB image

Western blot: Mouse kidney stained with ARG44235 anti-MOGAT2 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.

