

ARG57040 anti-ACAT2 antibody [55D5]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [55D5] recognizes ACAT2
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	55D5
Isotype	IgG2b, kappa
Target Name	ACAT2
Species	Human
Immunogen	Recombinant fragment around aa. 1-397 of Human ACAT2.
Conjugation	Un-conjugated
Alternate Names	Acetyl-CoA transferase-like protein; EC 2.3.1.9; Acetyl-CoA acetyltransferase, cytosolic; Cytosolic acetoacetyl-CoA thiolase

Application Instructions

Application table	Application	Dilution
	FACS	Assay-dependent
	ICC/IF	Assay-dependent
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	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. 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

Database links

[GeneID: 39 Human](#)

[Swiss-port # Q9BWD1 Human](#)

Gene Symbol

ACAT2

Gene Full Name

acetyl-CoA acetyltransferase 2

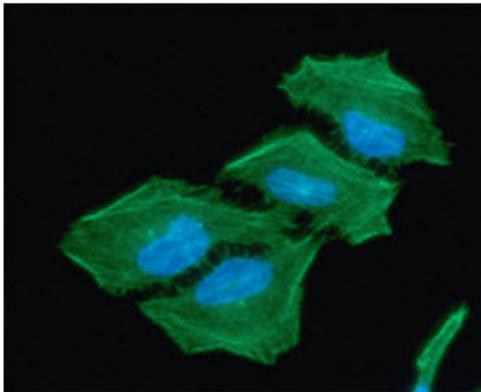
Background

The product of this gene is an enzyme involved in lipid metabolism, and it encodes cytosolic acetoacetyl-CoA thiolase. This gene shows complementary overlapping with the 3-prime region of the TCP1 gene in both mouse and human. These genes are encoded on opposite strands of DNA, as well as in opposite transcriptional orientation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2014]

Calculated Mw

41 kDa

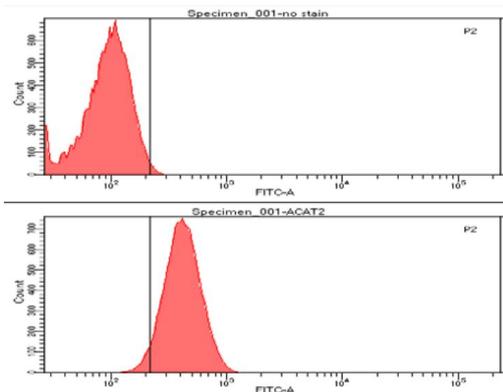
Images



ARG57040 anti-ACAT2 antibody [55D5] ICC/IF image

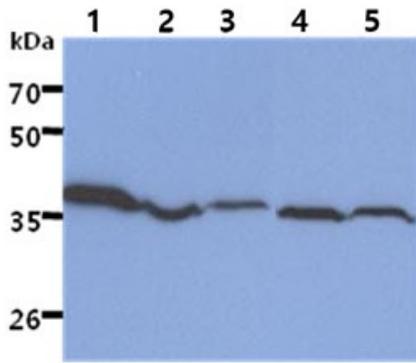
Immunofluorescence: HeLa cell line stained with ARG57040 anti-ACAT2 antibody [55D5] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



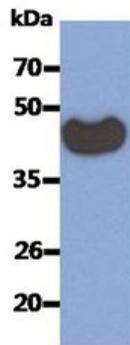
ARG57040 anti-ACAT2 antibody [55D5] FACS image

Flow Cytometry: PC3 cell line stained with ARG57040 anti-ACAT2 antibody [55D5] at 2-5 µg for 1x10⁶ cells. Secondary antibody: Goat antiMouse IgG Alexa fluor 488 conjugate.



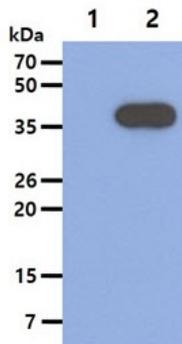
ARG57040 anti-ACAT2 antibody [55D5] WB image

Western blot: 40 μ g of 1) HepG2 cell lysate, 2) Ramos cell lysate, 3) MCF-7 cell lysate, 4) HL-60 cell lysate, 5) SW480 cell lysate stained with ARG57040 anti-ACAT2 antibody [55D5] at 1:1000.



ARG57040 anti-ACAT2 antibody [55D5] WB image

Western blot: 50 ng of Recombinant Human ACAT2 stained with ARG57040 anti-ACAT2 antibody [55D5] at 1:1000.



ARG57040 anti-ACAT2 antibody [55D5] WB image

Western blot: 5 μ g of 1) 293T cell lysate, 2) ACAT2 Transfected 293T cell lysate stained with ARG57040 anti-ACAT2 antibody [55D5] at 1:1000.