

Anti-ACAT2 Rabbit Monoclonal Antibody

Catalog # ABO16147

Product Information

Application	WB, IHC
Primary Accession	Q9BWD1
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-ACAT2 Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	39
Other Names	Acetyl-CoA acetyltransferase, cytosolic, 2.3.1.9 {ECO:0000255 PROSITE-ProRule:PRU10020, ECO:0000269 PubMed:7911016}, Acetyl-CoA transferase-like protein, Cytosolic acetoacetyl-CoA thiolase, ACAT2, ACTL
Calculated MW	41351
Application Details	WB 1:500-1:2000 IHC 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names Immunogen	Clone: 27A26 A synthesized peptide derived from human ACAT2
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	ACAT2
Synonyms	ACTL

Function Involved in the biosynthetic pathway of cholesterol.

Cellular Location Cytoplasm, cytosol.

Images

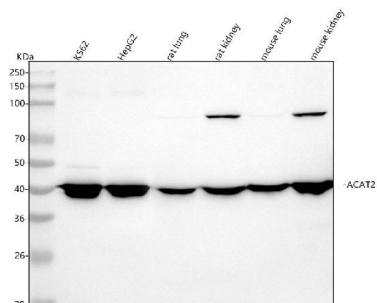


Figure 1. Western blot analysis of ACAT2 using anti-ACAT2 antibody (M03245-2).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human K562 whole cell lysates,

Lane 2: human HepG2 whole cell lysates,

Lane 3: rat lung tissue lysates,

Lane 4: rat kidney tissue lysates,

Lane 5: mouse lung tissue lysates,

Lane 6: mouse kidney tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ACAT2 antigen affinity purified monoclonal antibody (Catalog # M03245-2) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for ACAT2 at approximately 41 kDa. The expected band size for ACAT2 is at 41 kDa.

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