

ACAT2 Antibody

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 41	Source/Isotype: Rabbit	UniProt ID: #Q9BWD1	Entrez-Gene Id: 39
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Product Usage Information**Application**

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:50

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

ACAT2 Antibody recognizes endogenous levels of total ACAT2 protein.

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val167 of human ACAT2 protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background

Acetyl-CoA acetyltransferase 2 (ACAT2), also known as cytosolic acetoacetyl-CoA thiolase, plays a role in regulating lipid metabolism (1). It catalyzes the synthesis of acetoacetyl-CoA from two acetyl-CoA molecules, which is later converted into steroids (2).

Background References

1. Shintani, S. et al. (1999) *Genetics* 152, 743-54.
2. Middleton, B. (1974) *Biochem J* 139, 109-21.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human **M:** Mouse **R:** Rat

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