



## Goat anti-ACAT1 (aa257-269), Biotinylated Antibody

<b>Item Number</b>	dAP-3353
<b>Target Molecule</b>	Principle Name: ACAT1 (aa257-269), Biotinylated; Official Symbol: ACAT1; All Names and Symbols: ACAT1; acetyl-CoA acetyltransferase 1; ACAT; MAT; T2; THIL; acetoacetyl Coenzyme A thiolase; acetoacetyl-CoA thiolase; acetyl-Coenzyme A acetyltransferase 1; mitochondrial acetoacetyl-CoA thiolase; Accession Number (s): NP_000010.1; Human Gene ID(s): 38; Non-Human GeneID(s): 110446 (mouse) 25014 (rat)
<b>Immunogen</b>	KRVDFSKVPKLT., is from internal region
<b>Applications</b>	Pep ELISA, WB, IF Species Tested: Human, Mouse, Rat
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 8000.
<b>Western Blot</b>	Western Blot: Approx 45kDa band observed in Mouse Liver lysates (calculated MW of 44.8kDa according to Mouse NP_659033.1). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 0.1-0.3µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Hongo S, Watanabe T, Arita S, Kanome T, Kageyama H, Shioda S, Miyazaki A. Leptin modulates ACAT1 expression and cholesterol efflux from human macrophages. American journal of physiology. Endocrinology and metabolism 2009 Aug 297 (2): E474-82..PMID: 19625677->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**