

Goat anti-ACAT1 (aa253-266), Biotinylated Antibody

Item Number	dAP-3363
Target Molecule	Principle Name: ACAT1 (aa253-266), 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)
Immunogen	DEEYKRVDKSKVPK., is from internal region
Applications	Pep ELISA, WB, IF Species Tested: Human, Mouse, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 4000.
Western Blot	Western Blot: Approx 45kDa band observed in Mouse and Rat Liver lysates (calculated MW of 44.8kDa according to Mouse NP_659033.1 and 44.7kDa according to Rat NP_058771.2). See non-biotinylated parental product's datasheet for further QC data. Recommended
IHC	
Reference	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**