

## Goat anti-ACAT1 (aa253-266) Antibody

Item Number	dAP-1969
Target Molecule	Principle Name: ACAT1 (aa253-266); Official Symbol: ACAT1; All Names and Symbols: ACAT1; acetyl-Coenzyme A acetyltransferase 1; ACAT; MAT; T2; THIL; acetoacetyl Coenzyme A thiolase; Accession Number (s): NP_000010.1; Human Gene ID(s): 38; Non-Human GenelD(s): 110446 (mouse) 25014 (rat)
Immunogen	DEEYKRVDFSKVPK, 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 40kDa band observed in Human, Mouse and Rat Liver lysates (calculated MW of 45.2kDa according to Human NP_000010.1 and 44.81kDa to Mouse NP_659033.1). Recommended concentration: 0.01-0.03µg/ml.
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**