

Goat anti-APOC1 Antibody

Item Number	dAP-1083
Target Molecule	Principle Name: APOC1; Official Symbol: APOC1; All Names and Symbols: APOC1; apolipoprotein C-I; Accession Number (s): NP_001636.1; Human Gene ID(s): 341; Non-Human GeneID(s):
Immunogen	ETFQKVKEKLKIDS, is from C Terminus
Applications	Pep ELISA, IHC Species Tested: Human
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 8000.
Western Blot	Western Blot: Preliminary experiments gave bands at 30kDa and 37kDa band in Human Liver lysates after 0.5 µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size.
IHC	Immunohistochemistry: In paraffin embedded Human Liver shows spotty staining in the cytoplasm of hepatocytes. Recommended concentration, 3-5µg/ml.
Reference	Reference(s): Berbee JF, van der Hoogt CC, Sundararaman D, Havekes LM, Rensen PC. Severe hypertriglyceridemia in human APOC1 transgenic mice is caused by apoC-I-induced inhibition of LPL. J Lipid Res. 2005 Feb;46(2):297-306. Epub 2004 Dec 1. .PMID: 15576844 ->

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**