



Goat anti-DGAT1 Antibody

Item Number	dAP-1008
Target Molecule	Principle Name: DGAT1; Official Symbol: DGAT1; All Names and Symbols: DGAT1; diacylglycerol O-acyltransferase homolog 1 (mouse) ; ARGP1; DGAT ; ACAT related gene product 1; acyl coenzyme A:cholesterol acyltransferase related gene 1; diacylglycerol O-acyltransferase 1; diglyceride acyltransferase; Accession Number (s): NP_036211.1; Human Gene ID(s): 8694; Non-Human GeneID(s): 13350 (mouse) 84497 (rat)
Immunogen	QNSMKPFKMDMYS, is from internal region
Applications	Pep ELISA, WB, IHC Species Tested: Human, 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 64000.
Western Blot	Western Blot: Approx 55kDa band observed in Rat Duodenum lysates (calculated MW of 55.3kDa according to NP_036211.1). Recommended concentration: 0.3-1.0µg/ml.
IHC	Immunohistochemistry: Paraffin embedded Human Colon. Recommended concentration: 3.75µg/ml.
Reference	Reference(s): Bagnato C, Igal RA. Overexpression of diacylglycerol acyltransferase-1 reduces phospholipid synthesis, proliferation, and invasiveness in simian virus 40-transformed human lung fibroblasts. J Biol Chem. 2003 Dec 26;278(52):52203-11. Epub 2003 Oct 13. .PMID: 14557275 ->

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**