

Goat anti-MGAT1 Antibody

Item Number	dAP-2275
Target Molecule	Principle Name: MGAT1; Official Symbol: MGAT1; All Names and Symbols: MGAT1; mannosyl (alpha-1,3)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase; GLCNAC-T1; GLCT1; GLYT1; GNT-1; GNT-I; MGAT; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase; OT-THUMP00000161546; Accession Number (s): NP_002397.2; Human Gene ID(s): 4245; Non-Human Gene-ID(s): 17308 (mouse) 81519 (rat)
Immunogen	QVEKVRTNDR, is from internal region Reported variants represent identical protein: NP_002397.2, NP_001108090.1, NP_001108091.1, NP_001108092.1, NP_001108089.1.
Applications	Pep ELISA, WB Trf 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: In transfected HEK293 transiently expressing full-length Human MGAT1 (myc and DYKDDDDK tagged), a band of approx. 55kDa was observed. No bands were observed in mock-transfected HEK293 and the same band was observed using anti-myc tag antibody.
IHC	
Reference	Reference(s): Bousman CA, Glatt SJ, Everall IP, Tsuang MT, Genetic association studies of methamphetamine use disorders: A systematic review and synthesis. American journal of medical genetics. Part B, Neuropsychiatric genetics : the official publication of the International Society of Psychiatric Genetics 2009

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 end users! This product is sold for **Research Use Only**