

Goat anti-OGT Antibody

Item Number	dAP-1032
Target Molecule	Principle Name: OGT; Official Symbol: OGT; All Names and Symbols: OGT; O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase); FLJ23071; HRNT1; MGC22921; O-GLCNAC ; O-GlcNAc transferase p110 subunit O-linked GlcNAc transferase; uridinediphospho-N-acetylgl; Accession Number (s): NP_858058.1; NP_858059.1; Human Gene ID (s): 8473; Non-Human GeneID(s): 108155 (mouse) 26295 (rat)
Immunogen	YEHPKDLKLS DGR, is from internal region This antibody is expected to recognise both reported isoforms (NP_858058.1 and NP_858059.1)
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 110kDa band observed in Pancreas lysates from Rat (calculated MW of 117kDa according to NP_858058.1. Recommended concentration: 0.05-0.2µg/ml. An additional band of unknown identity was also consistently observed at 60kDa. This band
IHC	Immunohistochemistry: Paraffin embedded Human Brain (Cortex). Recommended concentration: 5µg/ml.
Reference	Reference(s): Majumdar G, Wright J, Markowitz P, Martinez-Hernandez A, Raghov R, Solomon SS. Insulin stimulates and diabetes inhibits O-linked N-acetylglucosamine transferase and O-glycosylation of Sp1. Diabetes. 2004 Dec;53(12):3184-92. PMID: 15561949 ->

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**