

Product datasheet for **TA335833**

MGAT2 Rabbit Polyclonal Antibody

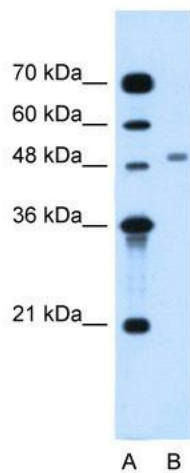
Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-MGAT2 Antibody: synthetic peptide directed towards the middle region of human MGAT2. Synthetic peptide located within the following region: PKNAALKLGCINA EYPDSFGHYREAKFSQTKHHWWKLFHWERVKILRD
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	51 kDa
Gene Name:	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase
Database Link:	NP_002399 Entrez Gene 4247 Human Q10469

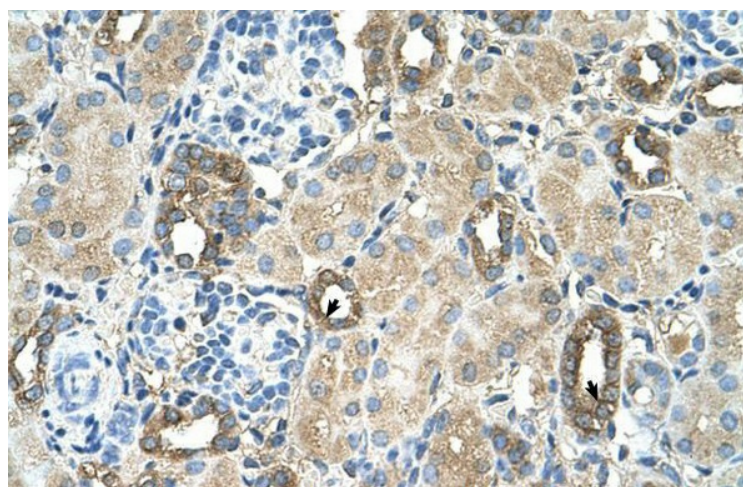


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- Background:** MGAT2 is a Golgi enzyme catalyzing an essential step in the conversion of oligomannose to complex N-glycans. The enzyme has the typical glycosyltransferase domains: a short N-terminal cytoplasmic domain, a hydrophobic non-cleavable signal-anchor domain, and a C-terminal catalytic domain. Mutations in its gene may lead to carbohydrate-deficient glycoprotein syndrome, type II. The product of this gene is a Golgi enzyme catalyzing an essential step in the conversion of oligomannose to complex N-glycans. The enzyme has the typical glycosyltransferase domains: a short N-terminal cytoplasmic domain, a hydrophobic non-cleavable signal-anchor domain, and a C-terminal catalytic domain. Mutations in this gene may lead to carbohydrate-deficient glycoprotein syndrome, type II. Two transcript variants encoding the same protein have been identified for this gene.
- Synonyms:** CDG2A; CDGS2; GLCNACTII; GNT-II; GNT2
- Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%
- Protein Families:** Transmembrane
- Protein Pathways:** Metabolic pathways, N-Glycan biosynthesis
- Product images:**



WB Suggested Anti-MGAT2 Antibody Titration: 1.25 ug/ml; Positive Control: Jurkat cell lysate



Human kidney