ARG44141
anti-MGAT2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal recognizes MGAT2
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MGAT2
Species	Human
Immunogen	Human MGAT2 recombinant protein (Position: Q81-K427).
Conjugation	Un-conjugated
Alternate Names	MGAT2; Alpha-1,6-Mannosyl-Glycoprotein 2-Beta-N-Acetylglucosaminyltransferase; GNT-II; Mannosyl (Alpha-1,6-)-Glycoprotein Beta-1,2-N-Acetylglucosaminyltransferase; N-Glycosyl-Oligosaccharide-Glycoprotein N-Acetylglucosaminyltransferase II; Beta-1,2-N-Acetylglucosaminyltransferase II; Mannoside Acetylglucosaminyltransferase 2; EC 2.4.1.143; GlcNAc-T II; UDP-N-Acetylglucosamine:Alpha-6-D-Mannoside Beta-1,2-N-Acetylglucosaminyltransferase II; GLCNACTII; CDG2A; CDGS2; GNT2

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
IHC-P	2 - 5 µg/ml
WB	0.25 - 0.5 µg/ml

Application Note: The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

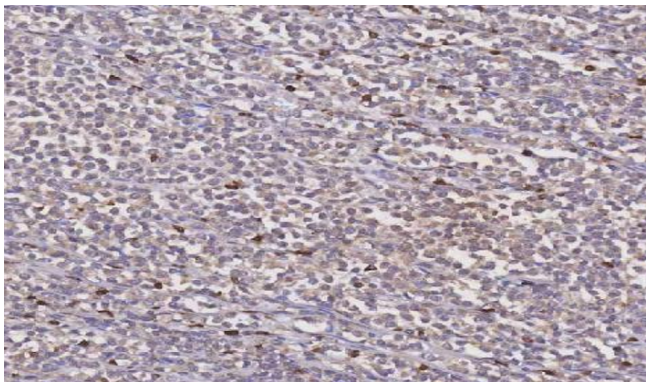
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

	and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

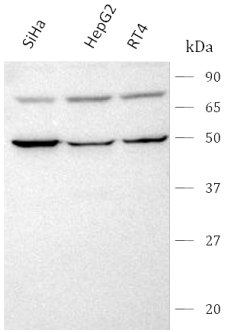
Gene Symbol	MGAT2
Gene Full Name	mannosyl (alpha-1,6-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase
Background	The product of this gene is a Golgi enzyme catalyzing an essential step in the conversion of oligomannose to complex N-glycans. The enzyme has the typical glycosyltransferase domains: 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. The coding region of this gene is intronless. Transcript variants with a spliced 5' UTR may exist, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]
Function	Catalyzes an essential step in the conversion of oligo-mannose to complex N-glycans. [UniProt]
Calculated Mw	52 kDa
Cellular Localization	Golgi apparatus membrane; Single-pass type II membrane protein. [UniProt]

Images



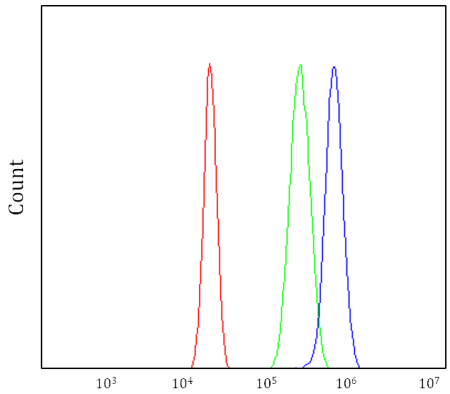
ARG44141 anti-MGAT2 antibody IHC-P image

Immunohistochemistry: Human large B-cell lymphoma stained with ARG44141 anti-MGAT2 antibody at 2 µg/ml dilution.



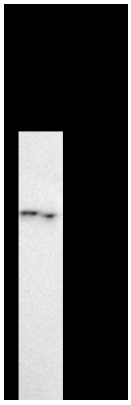
ARG44141 anti-MGAT2 antibody WB image

Western blot: SiHa, HepG2 and RT4 stained with ARG44141 anti-MGAT2 antibody at 0.5 µg/ml dilution.



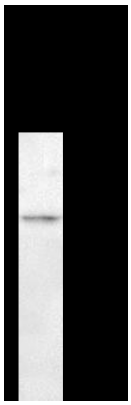
ARG44141 anti-MGAT2 antibody FACS image

Flow Cytometry: HepG2 stained with ARG44141 anti-MGAT2 antibody at 1 µg/10^6 cells dilution.



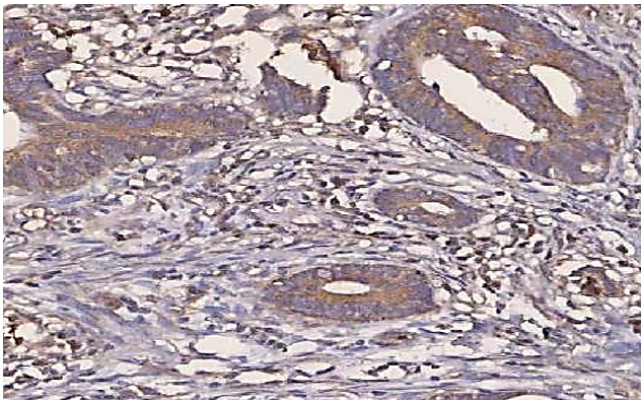
ARG44141 anti-MGAT2 antibody WB image

Western blot: Rat live stained with ARG44141 anti-MGAT2 antibody at 0.5 µg/ml dilution.



ARG44141 anti-MGAT2 antibody WB image

Western blot: Mouse live stained with ARG44141 anti-MGAT2 antibody at 0.5 µg/ml dilution.



ARG44141 anti-MGAT2 antibody IHC-P image

Immunohistochemistry: Human rectal cancer stained with ARG44141 anti-MGAT2 antibody at 2 µg/ml dilution.