

GnT-I (Y-21): sc-130772

BACKGROUND

GnT-I (α -1,3-mannosyl-glycoprotein 2- β -N acetylglucosaminyltransferase, GlcNAc-T I, MGAT1) catalyzes the first step in the conversion of oligomannose-type N-glycans to N-acetyl-lactosamine- and hybrid-type N-glycans. GnT-I is a 445 amino acid type II membrane protein that localizes to the Golgi and is essential for normal embryogenesis. GnT-I is expressed ubiquitously and exists as multiple variants that encode the same functional protein.

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CHROMOSOMAL LOCATION

Genetic locus: MGAT1 (human) mapping to 5q35.3.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

SOURCE

GnT-I (Y-21) is a purified rabbit polyclonal antibody raised against a peptide mapping near the C-terminus of GnT-I of human origin.

PRODUCT

Each vial contains 100 μ g IgG in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

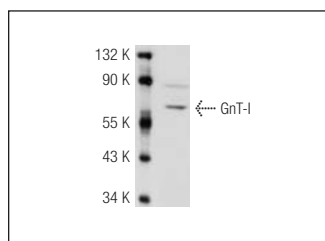
APPLICATIONS

GnT-I (Y-21) is recommended for detection of GnT-I of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

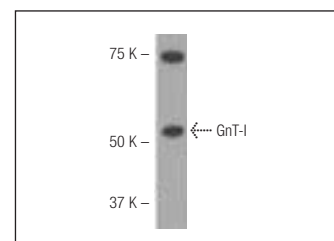
Suitable for use as control antibody for GnT-I siRNA (h): sc-106893, GnT-I shRNA Plasmid (h): sc-106893-SH and GnT-I shRNA (h) Lentiviral Particles: sc-106893-V.

Positive Controls: Jurkat whole cell lysate: sc-2204 or Y79 whole cell lysate: sc-2240.

DATA



GnT-I (Y-21): sc-130772. Western blot analysis of GnT-I expression in Jurkat whole cell lysate.



GnT-I (Y-21): sc-130772. Western blot analysis of GnT-I expression in Y79 whole cell lysate.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.