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GCNT2 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18452c

Specification

GCNT2 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q8N0V5
Other Accession	NP_663624.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**45873**
Antigen Region	**213-240**

GCNT2 Antibody (Center) - Additional Information

Gene ID 2651

Other Names
N-acetyllactosaminide beta-1, 6-N-acetylglucosaminyl-transferase, isoform A, N-acetylglucosaminyltransferase, I-branching enzyme, IGNT, GCNT2, GCNT5, II, NACGT1

Target/Specificity
This GCNT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 213-240 amino acids from the Central region of human GCNT2.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
GCNT2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GCNT2 Antibody (Center) - Protein Information

Name GCNT2

Synonyms GCNT5, II, NACGT1

Function Branching enzyme that converts linear into branched poly-N- acetyllactosaminoglycans. Introduces the blood group I antigen during embryonic development. It is closely associated with the development and maturation of erythroid cells.

Cellular Location
Golgi apparatus membrane; Single- pass type II membrane protein

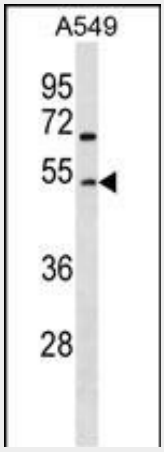
Tissue Location
[Isoform B]: Expressed in lens epithelium cells.

GCNT2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GCNT2 Antibody (Center) - Images



GCNT2 Antibody (Center) (Cat. #AP18452c) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the GCNT2 Antibody detected the GCNT2 protein (arrow).

GCNT2 Antibody (Center) - Background

This gene encodes the enzyme responsible for formation of the blood group I antigen. The i and I antigens are distinguished by linear and branched poly-N-acetyllactosaminoglycans, respectively. The encoded protein is the I-branching enzyme, a beta-1,6-N-acetylglucosaminyltransferase responsible for the conversion of fetal i antigen to adult I antigen in erythrocytes during embryonic development. Mutations in this gene have been associated with adult i blood group phenotype. Alternatively spliced transcript variants encoding different isoforms have been described.

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