

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

GCNT2 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q8NOV5
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

E~~Use at an assay dependent concentration.

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

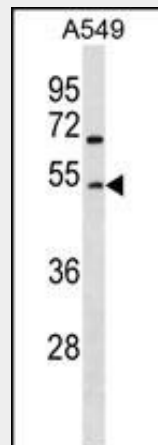
[Isoform B]: Expressed in lens epithelium cells.

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 Cytometry](#)
- [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.

GCNT2 Antibody (Center) - References

Twu, Y.C., et al. Blood 110(13):4526-4534(2007)
Wang, L., et al. Biochem. Biophys. Res. Commun. 331(4):958-963(2005)
Pras, E., et al. Invest. Ophthalmol. Vis. Sci. 45(6):1940-1945(2004)
Inaba, N., et al. Blood 101(7):2870-2876(2003)
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