

GCNT2 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10215b

Specification

GCNT2 Antibody (C-term) - Product Information

| | |
|-------------------|---|
| Application | WB, IHC-P,E |
| Primary Accession | Q06430 |
| Other Accession | Q8NFS9 , Q8NOV5 , NP_001482.1 |
| Reactivity | Human, Mouse |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Antigen Region | 364-391 |

GCNT2 Antibody (C-term) - Additional Information

Other Names

N-acetyllactosaminide beta-1, 6-N-acetylglucosaminyl-transferase, isoform B,
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 364-391 amino acids from the C-terminal region of human GCNT2.

Dilution

WB~~1:1000
IHC-P~~1:10~50

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 (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

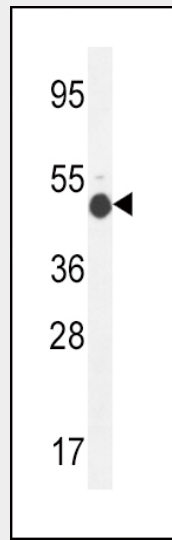
GCNT2 Antibody (C-term) - Protein Information

GCNT2 Antibody (C-term) - Protocols

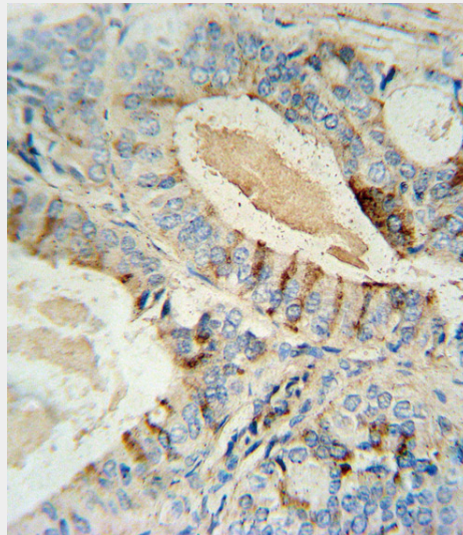
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GCNT2 Antibody (C-term) - Images



GCNT2 Antibody (C-term) (Cat. #AP10215b) western blot analysis in mouse kidney tissue lysates (35ug/lane). This demonstrates the GCNT2 antibody detected the GCNT2 protein (arrow).



GCNT2 antibody (C-term) (Cat. #AP10215b) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GCNT2 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

GCNT2 Antibody (C-term) - 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 (C-term) - 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)
Yu, L.C., et al. Blood 101(6):2081-2088(2003)