

## Product datasheet for **AP51803PU-N**

### GCNT2 (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500. <b>Immunohistochemistry on Paraffin Sections:</b> 1/50-1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	conjugated synthetic peptide between 371-399 amino acids from the C-terminal region of Human GCNT2 / NACGT1
Specificity:	This antibody recognizes Human and Mouse GCNT2 / NACGT1 (C-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group)
Database Link:	<a href="#">Entrez Gene 2651 Human</a> <a href="#">Q8NOV5</a>



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**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.

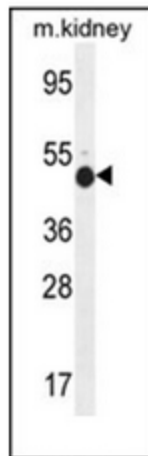
**Synonyms:** I-branching enzyme, IGNT, GCNT5

**Note:** **Molecular Weight:** 45855 Da

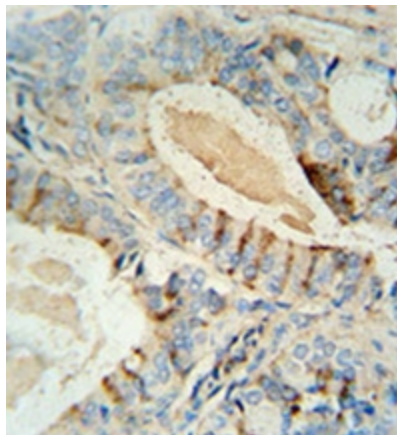
**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Glycosphingolipid biosynthesis - lacto and neolacto series, Metabolic pathways

### Product images:



Western blot analysis of GCNT2 / NACGT1 Antibody (C-term) in mouse kidney tissue lysates (35ug/lane). This demonstrates the GCNT2 antibody detected the GCNT2 protein (arrow).



Immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma reacted with GCNT2 / NACGT1 Antibody (C-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.