

Datasheet for ABIN952480
anti-GCNT2 antibody (C-Term)

2 Images

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Overview

Quantity:	0.4 mL
Target:	GCNT2
Binding Specificity:	AA 371-399, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	conjugated synthetic peptide between 371-399 amino acids from the C-terminal region of Human GCNT2 / NACGT1
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse GCNT2 / NACGT1 (C-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	GCNT2
Alternative Name:	GCNT2 / NACGT1 (GCNT2 Products)
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,

Target Details

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: 6-N-acetylglucosaminyltransferase, GCNT5, I-branching enzyme, IGNT, N-acetylglucosaminyltransferase, N-acetyllactosaminide beta-1

Molecular Weight: 45855 Da

Gene ID: 2651

NCBI Accession: [NP_001482](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

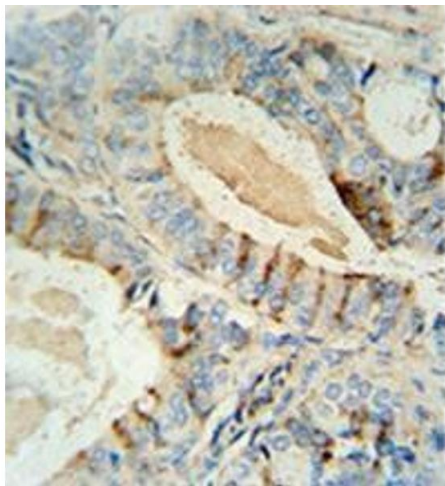
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

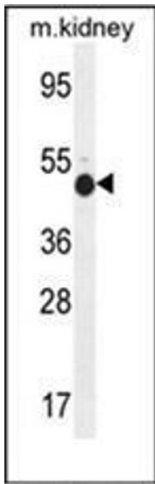
Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. 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.



Western Blotting

Image 2. 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).