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Datasheet for ABIN654173 anti-GCNT2 antibody (C-Term)

2 Images



Overview

Quantity:	400 µL
Target:	GCNT2
Binding Specificity:	AA 364-391, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GCNT2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	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.
Clone:	RB24612
lsotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	GCNT2
Alternative Name:	GCNT2 (GCNT2 Products)
Background:	This gene encodes the enzyme responsible for formation of the blood group I antigen. The i and

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Target Details

	l 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.
Gene ID:	2651
NCBI Accession:	NP_001482
UniProt:	Q06430
Pathways:	Glycosaminoglycan Metabolic Process
Application Details	
Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small
	aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months





Immunohistochemistry (Paraffin-embedded Sections)

Image 1. GCNT2 antibody (C-term) (ABIN654173 and ABIN2850475) 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.

Western Blotting

Image 2. GCNT2 Antibody (C-term) (ABIN654173 and ABIN2850475) western blot analysis in mouse kidney tissue lysates (35 µg/lane).This demonstrates the GCNT2 antibody detected the GCNT2 protein (arrow).

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