

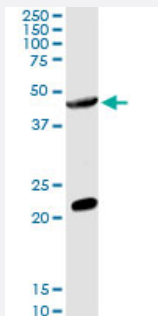
MaxPab®

GCNT2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00002651-D01P

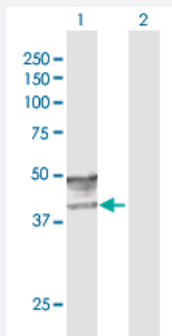
Size 100 ug

Applications



Western Blot (Tissue lysate)

GCNT2 MaxPab rabbit polyclonal antibody. Western Blot analysis of GCNT2 expression in human liver.



Western Blot (Transfected lysate)

Western Blot analysis of GCNT2 expression in transfected 293T cell line ([H00002651-T02](#)) by GCNT2 MaxPab polyclonal antibody.

Lane 1: GCNT2 transfected lysate(46.50 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human GCNT2 protein.

Immunogen

GCNT2 (NP_663630.2, 1 a.a. ~ 402 a.a) full-length human protein.

Sequence

MNFWRYCFFAFTLLSVVIFVRFYSSQLSPPKSYEKLNSSSERYFRKTACNHAEKMPVFLWENILP
SPLRSVPCKDYLTQNHYTSPLEEEAAFLAYVMVIHKDFDTERLFRAYMPQNVYCVHVDEKA
PAEYKESVRQLLSCFQNAFIASKTESVYAGISRLQADLNCLKDLVASEVPWKYVINTCGQDFPLK
TNREIVQHLKGFKGKNITPGVLPPDHAIRTKYVHQEHTDKGGFFVKNTNILKTSPPHQLTYFGTAY
VALTRDFVDFVLRDQRAIDLLQWSKDTYSPDEHFWVTNLRVSGVPGSMPNASWTGNLRAIKWS
DMEDRHGGCHGHYVHGICYGNGLKWLVNPSLFFANKFELNTYPLTVECLELRHRERTLNQSET
AIQPSWYF

Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (77); Rat (74)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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- Western Blot (Tissue lysate)

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[Protocol Download](#)

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[Protocol Download](#)

Gene Info — GCNT2

Entrez GeneID	2651
GeneBank Accession#	NM_145655.3
Protein Accession#	NP_663630.2
Gene Name	GCNT2
Gene Alias	CCAT, GCNT2C, GCNT5, IGNT, IL, MGC163396, NACGT1, NAGCT1, ULG3, bA360O19.2, bA421M1.1
Gene Description	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group)
Omim ID	110800 212500 600429

Gene Ontology

[Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

I beta-1,6-N-acetylglucosaminyltransferase|I-branching beta-1,6-acetylglucosaminyltransferase|i blood group|N-acetyllactosaminide beta-1,6-N-acetylglucosaminyltransferase|OTTHUMP00000016015|OTTHUMP00000016018|OTTHUMP00000016021|beta-1,6-N-acetylglucosami

Pathway

- [Glycosphingolipid biosynthesis - lacto and neolacto series](#)
- [Metabolic pathways](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)