

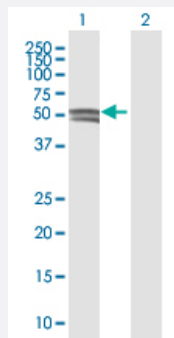
MaxPab®

GCNT1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00002650-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of GCNT1 expression in transfected 293T cell line ([H00002650-T01](#)) by GCNT1 MaxPab polyclonal antibody.

Lane1:GCNT1 transfected lysate(47.08 kDa).

Lane2:Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human GCNT1 protein.

Immunogen

GCNT1 (NP_001481.2, 1 a.a. ~ 428 a.a) full-length human protein.

Sequence

MLRTLRRRLFSYPTKYYFMVLVLSLITFSVLRHQKPEFVSVRHLELAGENPSSDINCTKVLQGDV
NEIQVKLEILTVKFKKRPRWTPDDYINMTSDCSSFIKRRKYVEPLSKEEAEFPIAYSIVHHKIEML
DRLLRAYMPQNFYCIHVDTKSEDSYLAAVMGASCFSNVFVASRLESVVYASWSRVQADLNCMK
DLYAMSANWKYLINLCGMDFPIKTNLEIVRKLKLLMGENNLETERMPSHKEERWKKRYEVVNGKL
TNTGTVKMLPPLETPLFSGSAYFVVSREYVGYVLQNEKIQKLMEWAQDTYSPDEYLWATIQRIPEV
PGSLPASHKYDLSDMQAVARFVKWQYFEGDVSKGAPYPPCDGVHVRVCIFGAGDLNWMLRK
HHLFANKFDVDVDFLFAIQCLDEHLRHKALETCLKH

Host

Mouse

Reactivity

Human

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.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of GCNT1 expression in transfected 293T cell line ([H00002650-T01](#)) by GCNT1 MaxPab polyclonal antibody.

Lane1:GCNT1 transfected lysate(47.08 KDa).

Lane2:Non-transfected lysate.

[Protocol Download](#)

Gene Info — GCNT1

Entrez GeneID	2650
GeneBank Accession#	NM_001490.3
Protein Accession#	NP_001481.2
Gene Name	GCNT1
Gene Alias	C2GNT, C2GNT-L, C2GNT1, G6NT, MGC126335, MGC126336, NACGT2, NAGCT2
Gene Description	glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)
Omim ID	600391
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the beta-1,6-N-acetylglucosaminyltransferase gene family. It is essential to the formation of Gal beta 1-3(GlcNAc beta 1-6)GalNAc structures and the core 2 O-glycan branch. The gene coding this enzyme was originally mapped to 9q21, but was later localized to 9q13. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq]
Other Designations	OTTHUMP00000021502 beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase beta-1,6-N-acetylglucosaminyltransferase core 2 GnT core 2 beta-1,6-N-acetylglucosaminyltransferase core 2 branching enzyme

Publication Reference

- [Golgi fragmentation induced by heat shock or inhibition of heat shock proteins is mediated by non-muscle myosin IIA via its interaction with glycosyltransferases.](#)

Petrosyan A, Cheng PW.

Cell Stress & Chaperones 2014 Mar; 19(2):241.

Application: Pull-Down, WB-Tr, Human, LNCaP cells

Pathway

- [Metabolic pathways](#)
- [O-Glycan biosynthesis](#)