

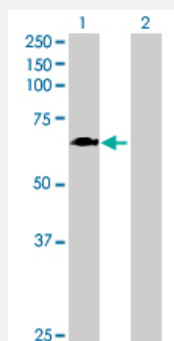
MaxPab®

GALNT4 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00008693-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of GALNT4 expression in transfected 293T cell line ([H00008693-T01](#)) by GALNT4 MaxPab polyclonal antibody.

Lane 1: GALNT4 transfected lysate(63.58 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human GALNT4 protein.

Immunogen

GALNT4 (AAH36390.1, 1 a.a. ~ 578 a.a) full-length human protein.

Sequence

MAVRWTWAGKSCLLLAFLTVAIFYVELLVSTFHASAGAGRARELGSRRLSGLQKNTEDLSRPLYK
KPPADSRALGEWGKASKLQLNEDELKQQEELIERYAINYLSDRISLHRHIEDKRMYECKSQKFNYR
TLPTTSVIAFYNEAWSTLLRTIHSVLETSPAVLLKEILVDDLSDRVYLKTQLETYSNLDRVRLIRTNK
REGLVRARLIGATFATGDVLTFLDCHCECNSGWLEPLLERIGRDETAVVCPVIDTIDWNTFEFYMQI
GEPMIGGFDWRLTFQWHSVPKQERDRRISRIDPIRSPTMAGGLFAVSKKYFQYLGTYDTGMEVWG
GENLELSFRVWQC GGKLEIHPCSHVGHVFPKRAPYARNFLQNTARAAEVWMDEYKEHFYNRN
PPARKEAYGDISERKLLRERLRCKSFDWYLKNVFPNLHVPEDRPGWHGAIRSRGISSECLDYNP
DNNPTGANLSLFGCHGQGGNQFFEYTSNKEIRFNSVTELCAEVPEQKNYVGMQNC PKDGFVP
ANIMWHFKEDGTIFHPHSGLCLSA YRTPEGRPDVQMRTCDALDKNQWSFEK

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (92); Rat (92)

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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[Protocol Download](#)

Gene Info — GALNT4

Entrez GeneID

[8693](#)

GeneBank Accession#

[BC036390.2](#)

Protein Accession#

[AAH36390.1](#)

Gene Name

GALNT4

Gene Alias

GALNAC-T4, GalNAcT4

Gene Description

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 4 (GalNAc-T4)

Omim ID

[603565](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a member of the UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase (GalNAc-T) family of enzymes. GalNAc-Ts initiate mucin-type O-linked glycosylation in the Golgi apparatus by catalyzing the transfer of GalNAc to serine and threonine residues on target proteins. They are characterized by an N-terminal transmembrane domain, a stem region, a luminal catalytic domain containing a GT1 motif and Gal/GalNAc transferase motif, and a C-terminal ricin/lectin-like domain. GalNAc-Ts have different, but overlapping, substrate specificities and patterns of expression. In vitro, the encoded protein can complement other GalNAc-Ts in the complete O-glycosylation of the mucin-1 tandem repeat and can O-glycosylate the P-selectin glycoprotein ligand-1 molecule. The coding region of this gene is contained within a single exon. [provided by RefSeq]

Other Designations

GalNAc transferase 4|UDP-GalNAc: polypeptide N-acetylgalactosaminyltransferase 4|polypeptide N-acetylgalactosaminyltransferase 4|protein-UDP acetylgalactosaminyltransferase 4

Pathway

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

Disease

- [Coronary Artery Disease](#)