

DNAxPAb

Hard-to-Find
Antibody

GNE DNAxPab

Catalog # H00010020-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human GNE DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MEKNGNNRKLRCVATCNRADYSKLAPIMFGIKTEPEFFELDVVVLGSHLIDDYGNTYRMIEQDDF DINTRLHTVRGEDEAAMVESVGLALVKLPDVLNRLKPDIMVHGDRFDALALATSAALMNIRILHIEG GEVSGTIDDSIRHAITKLAHYHVCCTRSAEQHLISMCEDHDRILLAGCPSYDKLLSAKNKDYMSIIRM WLGDDVKSKDYVALQHPVTTDIKHSIKMFELTDALISFNKRTLVLFPNIDAGSKEMVRVMRKKGI EHHPNFRVAVKHVPFDQFIQLVAHAGCMIGNSSCGVREVGAFGTPVINLGTRQIGRETGENVLHVR DADTQDKILQALHLQFGKQYPCSKIYGDGNAVPRILKFLKSIDLQEPLQKKFCFPPVKENISQDIDHI LETLSALAVDLGGTNLRVAIVSMKGIVKKYTQFNPKTYEERINLILQMCVEAAAEAVKLNCRILGVG ISTGGRVNPREGIVLHSTKLIQEWNSVDLRTPLSDTLHLPVWVDNDGNCAALAERKFGQGKGLEN FVTLTGTGIGGGIHHQHELIHGSSFCAAELGHLVVSLDGPDCSCGSHGCIEAYASGMALQREAKKL HDEDLVVVEGMSVPKDEAVGALHLIAAKLGNAAQSIILRTAGTALGLGVVNILHTMNPSLVILSGV LASHYHIVKDVIRQQALSSVQDQDVVVSDLVDPALLGAASMVLDTTTRY
Host	Rabbit
Reactivity	Human
Purification	Protein A
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)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — GNE

Entrez GeneID [10020](#)

GeneBank Accession# [NM_005476.3](#)

Protein Accession# [NP_005467.1](#)

Gene Name GNE

Gene Alias DMRV, GLCNE, IBM2, NM, Uae1

Gene Description glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase

Omim ID [269921](#) [600737](#) [603824](#) [605820](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a bifunctional enzyme that initiates and regulates the biosynthesis of N-acetylneuraminic acid (NeuAc), a precursor of sialic acids. It is a rate-limiting enzyme in the sialic acid biosynthetic pathway. Sialic acid modification of cell surface molecules is crucial for their function in many biologic processes, including cell adhesion and signal transduction. Differential sialylation of cell surface molecules is also implicated in the tumorigenicity and metastatic behavior of malignant cells. Mutations in this gene are associated with sialuria, autosomal recessive inclusion body myopathy, and Nonaka myopathy. Alternative splicing of this gene results in transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations

N-acylmannosamine kinase|OTTHUMP00000021370|UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase|UDP-N-acetylglucosamine-2-epimerase/N-acetylmannosamine kinase

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Metabolic pathways](#)

Disease

- [Myositis](#)