

Rabbit GNE Polyclonal Antibody | anti-GNE antibody

GNE Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287605	Rabbit	Human (Predicted Reactivity: Hamster, Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

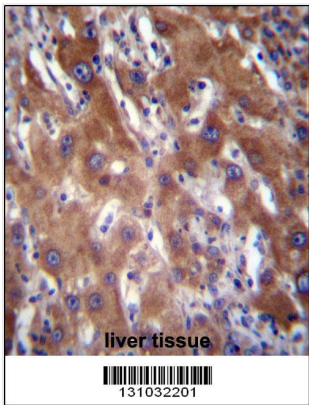
PRODUCT SYNONYMS

GNE; Polyclonal Antibody; GNE Antibody (N-term); Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase; UDP-GlcNAc-2-epimerase/ManAc kinase; UDP-N-acetylglucosamine 2-epimerase (hydrolyzing); UDP-GlcNAc-2-epimerase; Uridine diphosphate-N-acetylglucosamine-2-epimerase; N-acetylmannosamine kinase; ManAc kinase; GLCNE; anti-GNE antibody

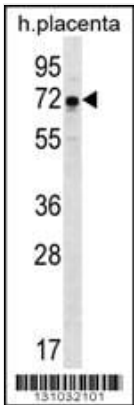
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Hamster, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GNE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 169-197 amino acids from the N-terminal region of human GNE.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.42 (varies by lot)
Sequence Positions	169-197
Sequence Length	612
Applicable Applications for anti-GNE antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
GNE Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of GNE Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
GNE Antibody (N-term) western blot analysis in human placenta tissue lysates (35ug/lane).This demonstrates the GNE antibody detected the GNE protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-GNE antibody	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].
Product Categories/Family for anti-GNE antibody	Cardiovascular; Developmental Biology; Immunology; Signal Transduction
References	Stober, A., et al. Neuromuscul. Disord. 20(5):335-336(2010) Reinke, S.O., et al. Glycoconj. J. 26(4):415-422(2009) Tong, Y., et al. PLoS ONE 4 (10), E7165 (2009) : Reinke, S.O., et al. FEBS Lett. 581(17):3327-3331(2007) Watts, G.D., et al. Neuromuscul. Disord. 13 (7-8), 559-567 (2003) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	190014632
NCBI GeneID	10020
NCBI Accession #	NP_001121699.1; NP_001177312.1; NP_001177313.1; NP_001177317.1; NP_005467.1
NCBI GenBank Nucleotide #	NM_001128227.2
UniProt Accession #	Q9Y223; Q0VA94; A6PZH2; A6PZH3; A7UNU7; B2R6E1; B7Z372; B7Z428; D3DRP7; F5H499; H0YFA7
Molecular Weight	79275
NCBI Official Full Name	bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase isoform 1
NCBI Official Synonym Full Names	glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase

NCBI Official Symbol	GNE
NCBI Official Synonym Symbols	NM; DMRV; IBM2; Uae1; GLCNE
NCBI Protein Information	bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase
UniProt Protein Name	Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase
UniProt Gene Name	GNE
UniProt Synonym Gene Names	GLCNE
UniProt Entry Name	GLCNE_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gne-antibody-immunohistochemistry-western-blot-elisa/287605>