

Rabbit GNE Polyclonal Antibody | anti-GNE antibody

GNE Antibody (C-term)

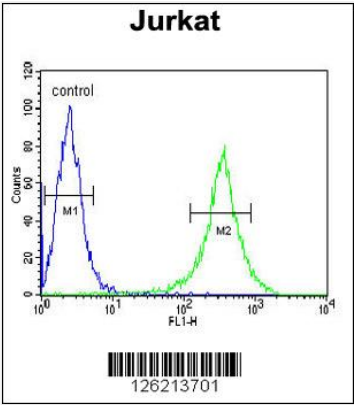
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284795	Rabbit	Human, mouse (Predicted Reactivity: Hamster, Rat)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

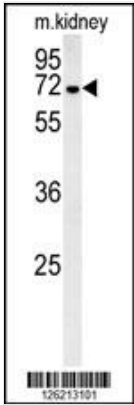
GNE; Polyclonal Antibody; GNE Antibody (C-term); Bifunctional UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase; UDP-GlcNAc-2-epimerase/ManAc kinase; UDP-N-acetylglucosamine 2-epimerase (hydrolyzing); UDP-GlcNAc-2-epimerase; Uridine diphosphate-N-acetylglucosamine-2-epimerase; N-acetylmannosamine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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Hamster, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GNE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 580-607 amino acids from the C-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: 0.5 (varies by lot)
Sequence Positions	580-607
Sequence Length	612
Applicable Applications for anti-GNE antibody	FCM/FACS (Flow Cytometry), 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.



FCM/FACS (Flow Cytometry)
GNE Antibody (C-term) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



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

ADDITIONAL INFORMATION

Related Product Information for anti-GNE antibody	GNE 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.
Product Categories/Family for anti-GNE antibody	Cardiovascular; Developmental Biology
References	Reinke, S.O., et al. Glycoconj. J. 26(4):415-422(2009) Tong, Y., et al. PLoS ONE 4 (10), E7165 (2009) Klootwijk, R.D., et al. FASEB J. 22(11):3846-3852(2008)

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

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-flow-cytometry-western-blot-elisa/284795>