

Rabbit anti-Human GNE Monoclonal Antibody | anti-GNE antibody

GNE Rabbit mAb

CATALOG # AAA282872	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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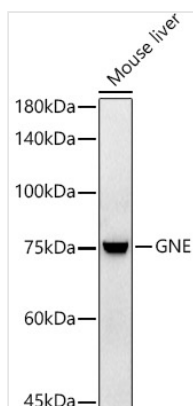
PRODUCT SYNONYMS

GNE; Monoclonal Antibody; GNE Rabbit mAb; NM; DMRV; IBM2; Uae1; GLCNE; anti-GNE antibody

PRODUCT SPECIFICATIONS

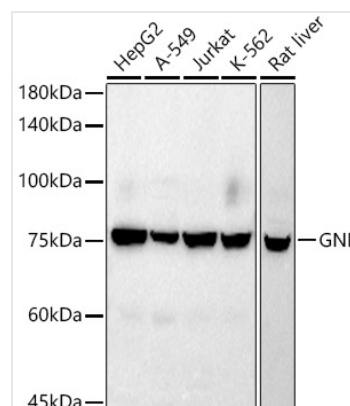
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	GALHLIQAAG LGNAKAQSIL RTAGTALGLG VVNILHTMNP SLVILSGVLA SHYIHVKDV IRQQALSSVQ DVDVVVSDLV DPALLGAASM VLDYTTRRIY
Applicable Applications for anti-GNE antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 623-722 of human GNE (Q9Y223).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from Mouse liver, using GNE Rabbit mAb (AAA282872) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 60s.



WB (Western Blot)

Western blot analysis of various lysates using GNE Rabbit mAb (AAA282872) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

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.
Product Categories/Family for anti-GNE antibody	Signal Transduction; Kinase; Cell Biology Developmental Biology; Cardiovascular; Blood; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	190014632
NCBI GeneID	10020
NCBI Accession #	NP_001121699.1
NCBI GenBank Nucleotide #	NM_001128227.2
UniProt Accession #	Q9Y223; Q0VA94; A6PZH2; A6PZH3; A7UNU7; B2R6E1; B7Z372; D3DRP7; F5H499
Molecular Weight	Calculated MW: 79kDa Observed MW: 75kDa
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/monoclonal/gne-antibody-western-blot-elisa/282872>