

Rabbit GNE Polyclonal Antibody | anti-GNE antibody

GNE Rabbit Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA314188	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

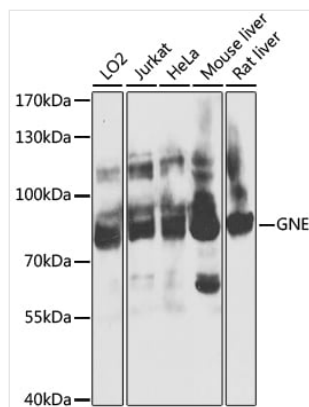
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

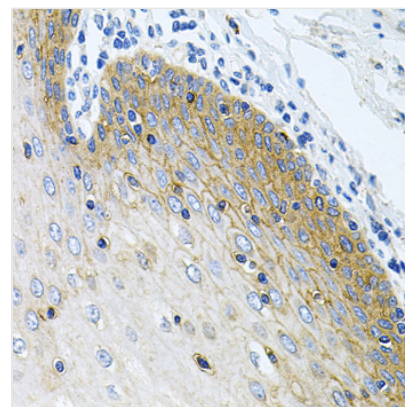
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-GNE antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein of human GNE (NP_001121699.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



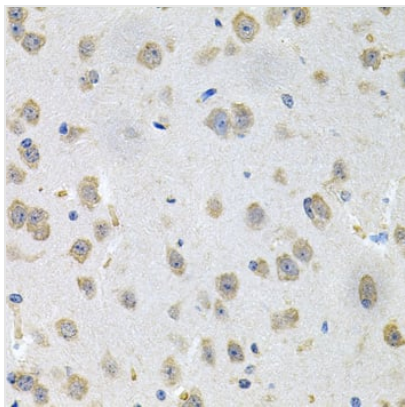
WB (Western Blot)

Western blot analysis of extracts of various cell lines, using GNE at 1:1000 dilution.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human esophagus using GNE at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)
 Immunohistochemistry of paraffin-embedded mouse brain using GNE at dilution of 1:100 (40x lens).

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	Primary Antibody

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	79,275 Da
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; N-acylmannosamine kinase; UDP-GlcNAc-2-epimerase/ManAc kinase; 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/314188>