

## Rabbit GNE Polyclonal Antibody | anti-GNE antibody

GNE Polyclonal Antibody

|                              |                       |                                        |                                                           |
|------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA28213</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry</b> |
|------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

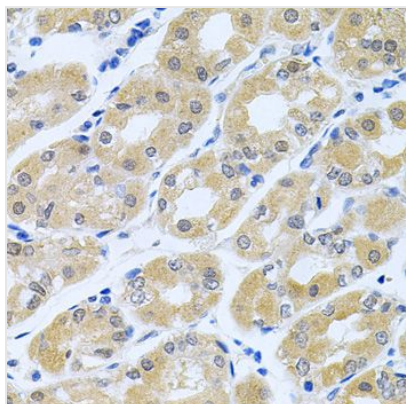
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

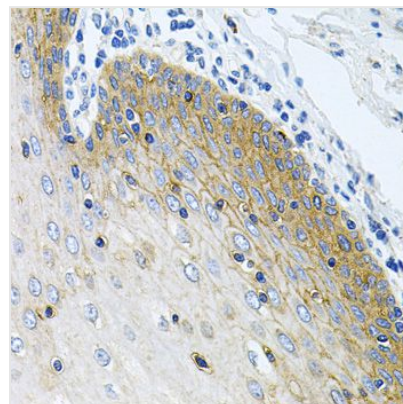
|                                               |                                                    |
|-----------------------------------------------|----------------------------------------------------|
| Host                                          | Rabbit                                             |
| Reactivity                                    | Human, Mouse, Rat                                  |
| Clonality                                     | Polyclonal                                         |
| Isotype                                       | IgG                                                |
| Purity/Purification                           | Affinity purification                              |
| Sequence Length                               | 753                                                |
| Applicable Applications for anti-GNE antibody | WB (Western Blot), IHC (Immunohistochemistry)      |
| Application Notes                             | WB: 1:500 - 1:2000, IHC: 1:50 - 1:100              |
| Immunogen                                     | Recombinant protein of human GNE                   |
| Preparation and Storage                       | Store at -20 degree C. Avoid freeze / thaw cycles. |

### IMAGES



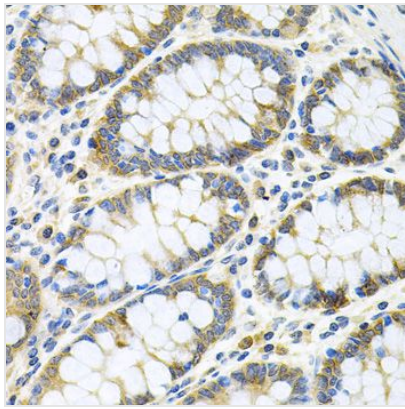
#### IHC (Immunohistochemistry)

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

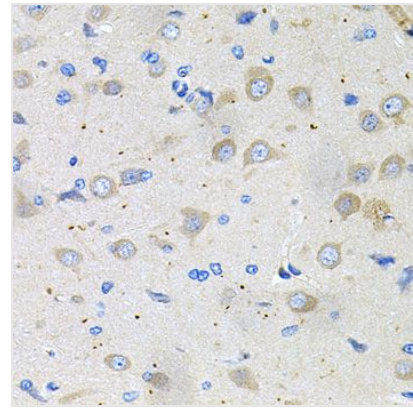


#### IHC (Immunohistochemistry)

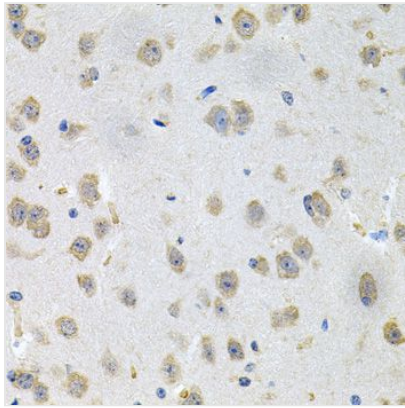
Immunohistochemistry of paraffin-embedded human esophagus using GNE antibody at dilution of 1:100 (40x lens).



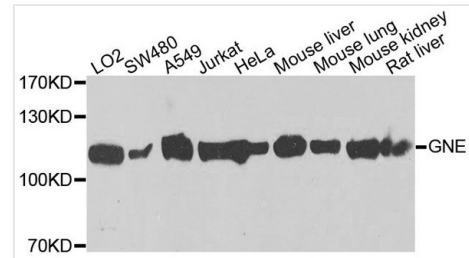
**IHC (Immunohistochemistry)**  
Immunohistochemistry of paraffin-embedded human colon using GNE antibody at dilution of 1:100 (40x lens).



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



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



**WB (Western Blot)**  
Western blot analysis of extracts of various cell lines, using GNE antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.

## ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-GNE antibody</b> | 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. |
| <b>Product Categories/Family for anti-GNE antibody</b>   | <a href="#">Polyclonal</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                 | <a href="#">190014632</a>                                                                                                                                                                                                                                                        |
| <b>NCBI GeneID</b>               | <a href="#">10020</a>                                                                                                                                                                                                                                                            |
| <b>NCBI Accession #</b>          | <a href="#">NP_001121699.1</a>                                                                                                                                                                                                                                                   |
| <b>NCBI GenBank Nucleotide #</b> | <a href="#">NM_001128227.2</a>                                                                                                                                                                                                                                                   |
| <b>UniProt Accession #</b>       | <a href="#">Q9Y223</a> ; <a href="#">Q0VA94</a> ; <a href="#">A6PZH2</a> ; <a href="#">A6PZH3</a> ; <a href="#">A7UNU7</a> ; <a href="#">B2R6E1</a> ; <a href="#">B7Z372</a> ; <a href="#">B7Z428</a> ; <a href="#">D3DRP7</a> ; <a href="#">F5H499</a> ; <a href="#">H0YFA7</a> |
| <b>Molecular Weight</b>          | Calculated MW: 79kDa<br>Molecular Weight: 722 (753)                                                                                                                                                                                                                              |
| <b>NCBI Official Full Name</b>   | 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                | <b>GNE</b>                                                                  |
| 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/polyclonal/gne-antibody-western-blot-immunohistochemistry-elisa/28213>