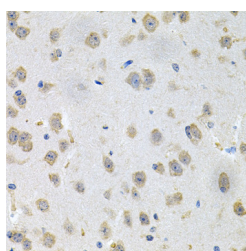


## GNE Polyclonal Antibody

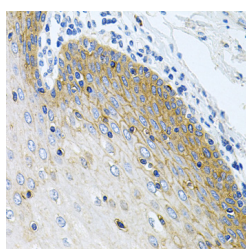
<b>Catalog No.</b>	E-AB-63016	<b>Reactivity</b>	H,M,R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	IHC	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Images



Immunohistochemistry of paraffin-embedded Mouse brain using GNE Polyclonal Antibody at dilution of 1:100 (40x lens).



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

### Immunogen Information

<b>Immunogen</b>	Recombinant fusion protein of human GNE (NP_001121699.1).
<b>GeneID</b>	10020
<b>Swissprot</b>	Q9Y223
<b>Synonyms</b>	GNE,DMRV,GLCNE,IBM2,NM,Uae1

### Product Information

<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Purify</b>	Affinity purification
<b>Dilution</b>	IHC 1:50-1:100

### Background

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.

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