GNE rabbit monoclonal antibody

Catalog # H00010020-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human GNE peptide using ARM Technology.
Immunogen	A synthetic peptide of human GNE is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human GNE peptide by ELISA and mammalian transfected lysate by West ern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — GNE

Entrez GeneID	10020
GeneBank Accession#	GNE
Gene Name	GNE
Gene Alias	DMRV, GLCNE, IBM2, NM, Uae1
Gene Description	glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase
Omim ID	269921 600737 603824 605820
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	N-acylmannosamine kinase|OTTHUMP00000021370|UDP-N-acetylglucosamine 2-epimerase/N-acetylmannosamine kinase|UDP-N-acetylglucosamine-2-epimerase/N-acetylmannosamine kinase

Pathway

- Amino sugar and nucleotide sugar metabolism
- Metabolic pathways

Disease

- Myositis