

For Research Use Only

# GNE Monoclonal antibody

Catalog Number: 67649-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 67649-1-Ig	<b>GenBank Accession Number:</b> BC121179	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 2500 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10020	<b>CloneNo.:</b> 2A11E10
<b>Source:</b> Mouse	<b>Full Name:</b> glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 722 aa, 79 kDa	
<b>Immunogen Catalog Number:</b> AG18702	<b>Observed MW:</b> 79 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : A549 cells, Hela cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human, rat	
<b>Cited Species:</b> human	

## Background Information

The bifunctional enzyme UDP-N-acetylglucosamine-2-epimerase/N-acetylmannosamine kinase (GNE) is essential for early embryonic development and catalyzes the rate limiting step in sialic acid biosynthesis. It plays an important role in neuronal cell and brain development, and is strongly involved in cardiac tissue and skeletal muscle early survival and organization.. This protein has 5 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiao-Qing Lv	35138478	Neurol Sci	WB

## Storage

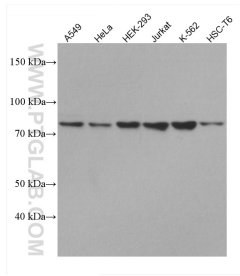
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67649-1-Ig (GNE antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.