

For Research Use Only

GNE Monoclonal antibody

Catalog Number: 67649-1-Ig **2 Publications**



Basic Information

Catalog Number: 67649-1-Ig	GenBank Accession Number: BC121179	Purification Method: Protein G purification
Size: 150ul , Concentration: 2500 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10020	CloneNo.: 2A11E10
Source: Mouse	UNIPROT ID: Q9Y223	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Full Name: glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase	
Immunogen Catalog Number: AG18702	Calculated MW: 722 aa, 79 kDa	
	Observed MW: 79 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A549 cells, Hela cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells
Cited Applications: WB	
Species Specificity: Human, rat	
Cited Species: 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
Yufei Li	38971548	Gene	WB

Storage

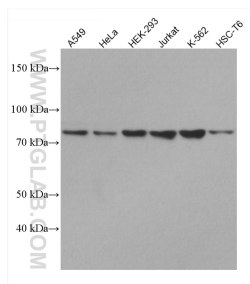
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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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.