For Research Use Only

GNE Monoclonal antibody

Catalog Number:67649-1-Ig 1 Publications

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Basic Information

Catalog Number:
67649-1-Ig

Size:
150ul , Concentration: 2500 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG18702

GenBank Accession Number:
BC121179

GeneID (NCBI):
10020

UNIPROT ID:
Q9Y223

Full Name:
glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase

Calculated MW:
722 aa, 79 kDa

Observed MW:
79 kDa

Purification Method:
Protein G purification

CloneNo.:
2A11E10

Recommended Dilutions:
WB 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
Human, rat

Cited Species:
human

Positive Controls:

WB : A549 cells, Hela cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells

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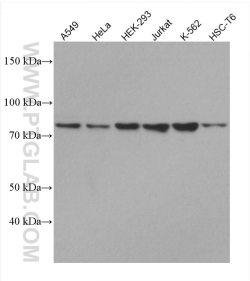
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.