

For Research Use Only

GNE Polyclonal antibody

Catalog Number: 25079-1-AP **4 Publications**



Basic Information

Catalog Number:

25079-1-AP

Size:

800 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18689

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:5000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB, IP, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: mouse liver tissue, Jurkat cells, rat liver tissue

IP: Jurkat cells,

IHC: human kidney tissue, human placenta tissue

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
Nili Ilouz	36237634	Front Genome Ed	WB,IF,IP
Xinying Guo	36429052	Cells	IHC
Chun-Ming Li	36353937	Neoplasma	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

For technical support and original validation data for this product please contact:

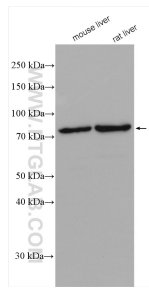
T: 4006900926

E: Proteintech-CN@ptglab.com

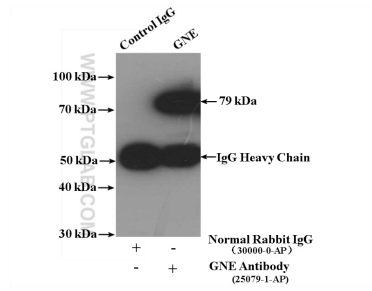
W: ptgcn.com

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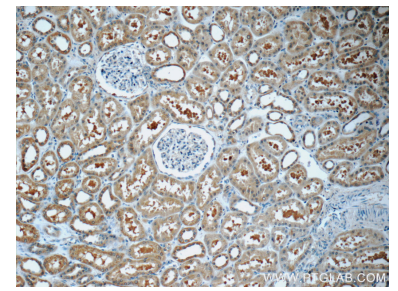
Selected Validation Data



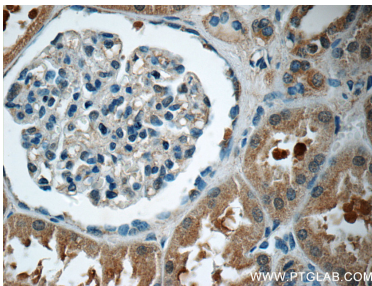
Various lysates were subjected to SDS PAGE followed by western blot with 25079-1-AP (GNE antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP result of anti-GNE (IP:25079-1-AP, 4ug; Detection:25079-1-AP 1:500) with Jurkat cells lysate 3600ug.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 25079-1-AP (GNE Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 25079-1-AP (GNE Antibody) at dilution of 1:50 (under 40x lens).