

For Research Use Only

GNE Polyclonal antibody

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



Basic Information

Catalog Number: 25079-1-AP	GenBank Accession Number: BC121179	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop and 393 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10020	Recommended Dilutions: WB 1:1000-1:5000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase	IHC 1:20-1:200
Isotype: IgG	Calculated MW: 722 aa, 79 kDa	
Immunogen Catalog Number: AG18689	Observed MW: 79 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : mouse liver tissue, Jurkat cells, rat liver tissue IP : Jurkat cells, IHC : human kidney tissue, human placenta tissue
Cited Applications: IF, IHC, IP, WB	
Species Specificity: human	
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

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

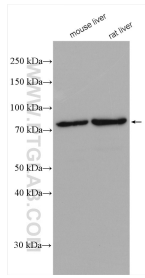
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

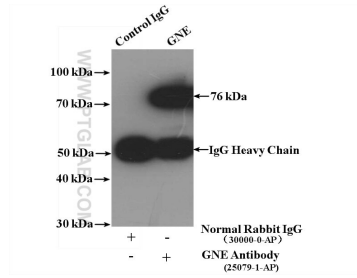
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

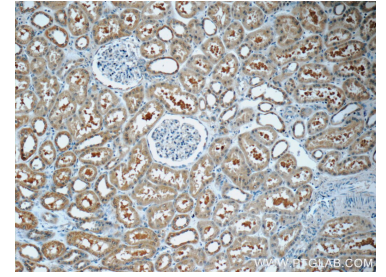
Selected Validation Data



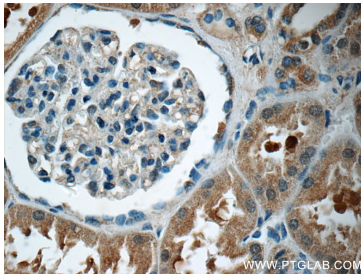
Various lysates were subjected to SDS PAGE followed by western blot with 25079-1-AP (GNE antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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



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).