

GNS Antibody (Center N189)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6574c**Specification**

GNS Antibody (Center N189) - Product Information

Application	WB, IHC-P,E
Primary Accession	P15586
Other Accession	Q8BFR4 , Q1LZH9
Reactivity	Human
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	62082
Antigen Region	174-203

GNS Antibody (Center N189) - Additional Information**Gene ID** 2799**Other Names**

N-acetylglucosamine-6-sulfatase, Glucosamine-6-sulfatase, G6S, GNS

Target/Specificity

This GNS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 174-203 amino acids from the Central region of human GNS.

Dilution

WB~~1:1000

IHC-P~~1:50~100

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GNS Antibody (Center N189) is for research use only and not for use in diagnostic or therapeutic procedures.

GNS Antibody (Center N189) - Protein Information**Name** GNS

Function Hydrolyzes 6-sulfate groups in N-acetyl-d-glucosaminide units of heparin sulfate and keratan sulfate.

Cellular Location

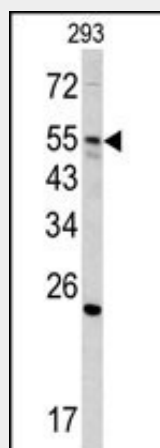
Lysosome.

GNS Antibody (Center N189) - Protocols

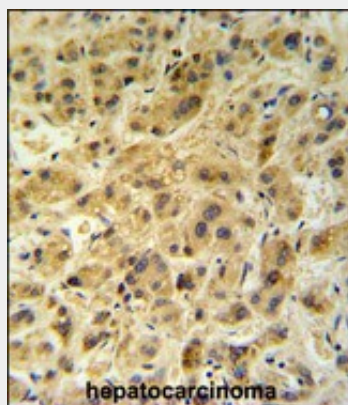
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GNS Antibody (Center N189) - Images



Western blot analysis of GNS antibody (Center N189) (Cat. #AP6574c) in 293 cell line lysates (35ug/lane). GNS (arrow) was detected using the purified Pab.



GNS Antibody (Center N189) (Cat. #AP6574c) IHC analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary

antibody and DAB staining. This data demonstrates the use of the GNS Antibody (Center N189) for immunohistochemistry. Clinical relevance has not been evaluated.

GNS Antibody (Center N189) - Background

GNS is a lysosomal enzyme found in all cells. It is involved in the catabolism of heparin, heparan sulphate, and keratan sulphate. Deficiency of this enzyme results in the accumulation of undegraded substrate and the lysosomal storage disorder mucopolysaccharidosis type IIID (Sanfilippo D syndrome). Mucopolysaccharidosis type IIID is the least common of the four subtypes of Sanfilippo syndrome.

GNS Antibody (Center N189) - References

Zhang,H., Li,X.J., Nat. Biotechnol. 21 (6), 660-666 (2003)