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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

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

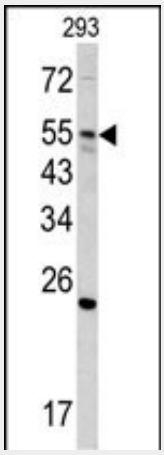
Cellular Location
Lysosome.

GNS Antibody (Center N189) - Protocols

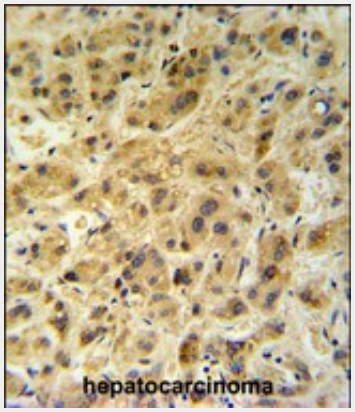
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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)