

Rabbit anti-Human GNS Polyclonal Antibody | anti-GNS antibody

GNS Antibody (Center S298)

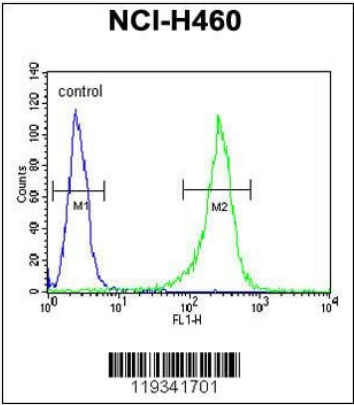
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287755	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

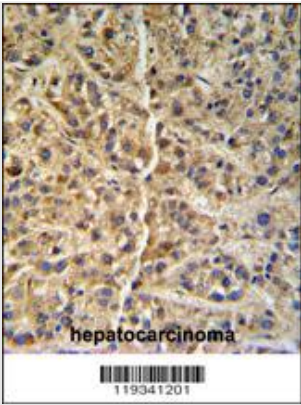
GNS; Polyclonal Antibody; GNS Antibody (Center S298); N-acetylglucosamine-6-sulfatase; Glucosamine-6-sulfatase; G6S; anti-GNS antibody

PRODUCT SPECIFICATIONS

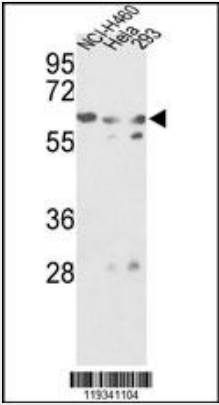
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GNS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 283-313 amino acids from the Central region of human GNS.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	283-313
Sequence Length	532
Applicable Applications for anti-GNS antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
GNS Antibody (Center S298) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
GNS Antibody (Center S298) 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 S298) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of GNS Antibody (Center S298) in NCI-H460, HeLa, 293 cell line lysates (35ug/lane). GNS (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-GNS antibody	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.
Product Categories/Family for anti-GNS antibody	Cell Biology; Metabolism; Signal transduction
References	Zhang,H., Li,X.J., Nat. Biotechnol. 21 (6), 660-666 (2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504061
NCBI GeneID	2799
NCBI Accession #	NP_002067.1
NCBI GenBank Nucleotide #	NM_002076.3
UniProt Accession #	P15586; Q53F05; B4DYH8
Molecular Weight	62082

NCBI Official Full Name	N-acetylglucosamine-6-sulfatase
NCBI Official Synonym Full Names	glucosamine (N-acetyl)-6-sulfatase
NCBI Official Symbol	GNS
NCBI Official Synonym Symbols	G6S
NCBI Protein Information	N-acetylglucosamine-6-sulfatase
UniProt Protein Name	N-acetylglucosamine-6-sulfatase
UniProt Gene Name	GNS
UniProt Synonym Gene Names	G6S
UniProt Entry Name	GNS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gns-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/287755>