

Rabbit GNS Polyclonal Antibody | anti-GNS antibody

GNS antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199532	Rabbit	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Immunohistochemistry, Western Blot

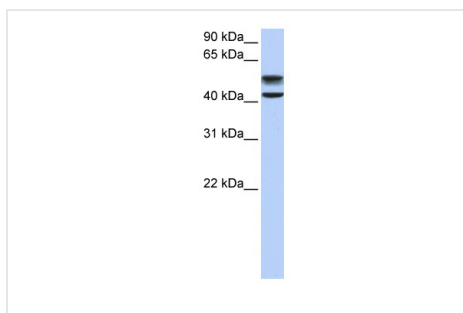
PRODUCT SYNONYMS

GNS; Polyclonal Antibody; GNS antibody - C-terminal region; anti-GNS antibody

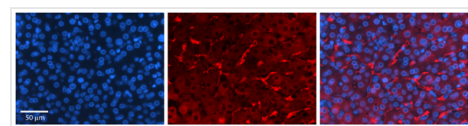
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: PIRGASNLTWRSDFVLEYQGEGRNVTDPTCP SLSPGVSQCFPDCVCEDA
Sequence Length	552
Applicable Applications for anti-GNS antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 100%; Dog: 93%; Goat: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human GNS
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

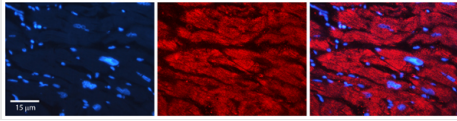


WB (Western Blot)

WB Suggested Anti-GNS Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:312500
Positive Control: Human Liver


IHC (Immunohistochemistry)

Rabbit Anti-GNS Antibody
Formalin Fixed Paraffin Embedded Tissue: Human Liver
Tissue
Observed Staining: Cytoplasm in Kupfer cells in sinusoids
Primary Antibody Concentration: 1:100
Other Working Concentrations: N/A
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec



IHC (Immunohistochemistry)
 Rabbit Anti-GNS Antibody
 Formalin Fixed Paraffin Embedded Tissue: Human heart
 Tissue
 Observed Staining: Cytoplasmic
 Primary Antibody Concentration: 1:100
 Other Working Concentrations: N/A
 Secondary Antibody: Donkey anti-Rabbit-Cy3
 Secondary Antibody Concentration: 1:200
 Magnification: 20X
 Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-GNS antibody	This is a rabbit polyclonal antibody against GNS. It was validated on Western Blot using a cell lysate as a positive control. Target Description: GNS is a lysosomal enzyme found in all cells. It is involved in the catabolism of heparin, heparin sulphate, and keratan sulphate. Deficiency of this enzyme results in the accumulation of undegraded substrate and the lysosomal storage disorder ucopolysaccharidosis type IIID (Sanfilippo D syndrome). Mucopolysaccharidosis type IIID is the least common of the four subtypes of Sanfilippo syndrome. The product of this gene 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	Polyclonal ; Signal Proteins ; Membrane Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504061
NCBI GeneID	2799
NCBI Accession #	NP_002067
NCBI GenBank Nucleotide #	NM_002076
UniProt Accession #	P15586
Molecular Weight	62kDa
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-immunohistochemistry-western-blot-elisa/199532>