

GNS Antibody (Center N189) Blocking Peptide
Synthetic peptide
Catalog # BP6574c

Specification

GNS Antibody (Center N189) Blocking Peptide - Product Information

Primary Accession [P15586](#)

GNS Antibody (Center N189) Blocking Peptide - Additional Information

Gene ID 2799

Other Names

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6574c](#) was selected from the Center region of human GNS. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GNS Antibody (Center N189) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GNS Antibody (Center N189) Blocking Peptide - Images**GNS Antibody (Center N189) Blocking Peptide - 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) Blocking Peptide - References

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