

**GNS Antibody (Center S298) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6574b****Specification**

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**GNS Antibody (Center S298) Blocking Peptide - Product Information**Primary Accession [P15586](#)**GNS Antibody (Center S298) 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 [AP6574b](/products/AP6574b) 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 S298) 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 S298) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **GNS Antibody (Center S298) Blocking Peptide - Images**

### **GNS Antibody (Center S298) 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 S298) Blocking Peptide - References**

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