

XYLT2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP19159a**Specification**

XYLT2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q9H1B5](#)

XYLT2 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 64132

Other Names

Xylosyltransferase 2, Peptide O-xylosyltransferase 1, Xylosyltransferase II, XT-II, XylT-II, XYLT2, XT2

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.

XYLT2 Antibody (N-term) Blocking Peptide - Protein Information

Name XYLT2

Synonyms XT2

Function

Catalyzes the first step in the biosynthesis of chondroitin sulfate, heparan sulfate and dermatan sulfate proteoglycans, such as DCN. Transfers D-xylose from UDP-D-xylose to specific serine residues of the core protein.

Cellular Location

Golgi apparatus membrane; Single-pass type II membrane protein. Secreted

Tissue Location

Widely expressed. Expressed at higher level in kidney and pancreas.

XYLT2 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

XYLT2 Antibody (N-term) Blocking Peptide - Images

XYLT2 Antibody (N-term) Blocking Peptide - Background

The protein encoded by this gene is an isoform of xylosyltransferase, which belongs to a family of glycosyltransferases. This enzyme transfers xylose from UDP-xylose to specific serine residues of the core protein and initiates the biosynthesis of glycosaminoglycan chains in proteoglycans including chondroitin sulfate, heparan sulfate, heparin and dermatan sulfate. The enzyme activity, which is increased in scleroderma patients, is a diagnostic marker for the determination of sclerotic activity in systemic sclerosis.

XYLT2 Antibody (N-term) Blocking Peptide - References

Condac, E., et al. Glycobiology 19(8):829-833(2009) Casanova, J.C., et al. Biochem. Biophys. Res. Commun. 383(1):4-10(2009) Ponighaus, C., et al. Am. J. Hypertens. 22(4):432-436(2009) Ambrosius, M., et al. Clin. Biochem. 42 (1-2), 1-4 (2009) : Hendig, D., et al. Clin. Chim. Acta 398 (1-2), 90-94 (2008) :