

**UXS1 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13077b****Specification**

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**UXS1 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q8NBZ7](#)**UXS1 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 80146**Other Names**

UDP-glucuronic acid decarboxylase 1, UDP-glucuronate decarboxylase 1, UGD, UXS-1, UXS1

**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.

**UXS1 Antibody (C-term) Blocking peptide - Protein Information****Name** UXS1 {ECO:0000303|PubMed:22810237, ECO:0000312|HGNC:HGNC:17729}**Function**

Catalyzes the NAD-dependent decarboxylation of UDP-glucuronic acid to UDP-xylose (PubMed:<a href="http://www.uniprot.org/citations/23656592" target="\_blank">23656592</a>, PubMed:<a href="http://www.uniprot.org/citations/22810237" target="\_blank">22810237</a>, PubMed:<a href="http://www.uniprot.org/citations/25521717" target="\_blank">25521717</a>). Necessary for the biosynthesis of the core tetrasaccharide in glycosaminoglycan biosynthesis (PubMed:<a href="http://www.uniprot.org/citations/23656592" target="\_blank">23656592</a>, PubMed:<a href="http://www.uniprot.org/citations/22810237" target="\_blank">22810237</a>, PubMed:<a href="http://www.uniprot.org/citations/25521717" target="\_blank">25521717</a>).

**Cellular Location**

Golgi apparatus, Golgi stack membrane {ECO:0000250|UniProtKB:Q5PQX0}; Single-pass type II membrane protein

**UXS1 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**UXS1 Antibody (C-term) Blocking peptide - Images****UXS1 Antibody (C-term) Blocking peptide - Background**

UDP-glucuronate decarboxylase (UGD; EC 4.1.1.35) catalyzes the formation of UDP-xylose from UDP-glucuronate. UDP-xylose is then used to initiate glycosaminoglycan biosynthesis on the core protein of proteoglycans.

**UXS1 Antibody (C-term) Blocking peptide - References**

Bailey, S.D., et al. Diabetes Care (2010) In press :Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Persson, B., et al. Chem. Biol. Interact. 178 (1-3), 94-98 (2009) :Bakker, H., et al. J. Biol. Chem. 284(4):2576-2583(2009)