

EXTL3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9048a**Specification**

EXTL3 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O43909](#)**EXTL3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 2137**Other Names**

Exostosin-like 3, EXT-related protein 1, Glucuronyl-galactosyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase, Hereditary multiple exostoses gene isolog, Multiple exostosis-like protein 3, Putative tumor suppressor protein EXTL3, EXTL3, EXTL1L, EXTR1, KIAA0519

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9048a](/products/AP9048a) was selected from the N-term region of human EXTL3. 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.

EXTL3 Antibody (N-term) Blocking Peptide - Protein Information**Name** EXTL3 {ECO:0000303|PubMed:28397838, ECO:0000312|HGNC:HGNC:3518}**Function**

Glycosyltransferase which regulates the biosynthesis of heparan sulfate (HS) (PubMed: [28132690](http://www.uniprot.org/citations/28132690), PubMed: [28148688](http://www.uniprot.org/citations/28148688)). Initiates HS synthesis by transferring the first N-acetyl-alpha-D-glucosamine (alpha-GlcNAc) residue (GlcNAcT-I activity) to the tetrasaccharide linker (GlcA-Gal-Gal-Xyl-)Ser core linker (PubMed: [11390981](http://www.uniprot.org/citations/11390981), PubMed: [35676258](http://www.uniprot.org/citations/35676258)). May also transfer alpha-GlcNAc residues during HS elongation (GlcNAcT-II activity) (PubMed: [11390981](http://www.uniprot.org/citations/11390981), PubMed: [11390981](http://www.uniprot.org/citations/11390981)).

href="http://www.uniprot.org/citations/35676258" target="_blank">35676258). Lacks glucuronyl transferase II (GlcAT-II) activity (PubMed:11390981, PubMed:35676258). Important for both skeletal development and hematopoiesis, through the formation of HS proteoglycans (HSPGs) (PubMed:11390981, PubMed:22727489, PubMed:28132690, PubMed:28148688, PubMed:35676258). Through the synthesis of HS, regulates postnatal pancreatic islet maturation and insulin secretion (By similarity).

Cellular Location

Endoplasmic reticulum membrane; Single-pass type II membrane protein. Golgi apparatus. Cell membrane. Nucleus Note=Interaction with REG3A induces its translocation to the nucleus

Tissue Location

Ubiquitous. Expressed in keratinocytes. Expressed in pancreas (PubMed:34099862).

EXTL3 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

EXTL3 Antibody (N-term) Blocking Peptide - Images

EXTL3 Antibody (N-term) Blocking Peptide - Background

EXTL3 is probable glycosyltransferase.

EXTL3 Antibody (N-term) Blocking Peptide - References

Kaidonis,X., et.al., Eur. J. Hum. Genet. 18 (2), 194-199 (2010)Pata,G., et.al., J Surg Oncol 100 (6), 520-522 (2009)