10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

EXTL3 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP12734a

Specification

EXTL3 Antibody (N-term) Blocking peptide - Product Information

Primary 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

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, PubMed: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, PubMed:35676258). May also transfer alpha-GlcNAc residues during HS elongation (GlcNAcT-II activity) (PubMed:11390981, PubMed: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:28132690,

PubMed:28148688, PubMed:11390981, PubMed:22727489, 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 (By similarity).

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)Levetan, C.S., et al. Endocr Pract 14(9):1075-1083(2008)Karibe, T., et al. J. Pathol. 216(1):32-42(2008)Wu, C., et al. Proteomics 7(11):1775-1785(2007)