10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

ACPL2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP16304c

Specification

ACPL2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q8TE99

ACPL2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 92370

Other Names
2-phosphoxylose phosphatase 1, 313-, Acid phosphatase-like protein 2, Xylosyl phosphatase {ECO:0000303|PubMed:24425863, ECO:0000312|EMBL:BAO457951}, epididymis luminal protein 124 {ECO:0000303|Ref2, ECO:0000312|EMBL:ACJ137311}, PXYLP1 (HGNC:26303)

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.

ACPL2 Antibody (Center) Blocking Peptide - Protein Information

Name PXYLP1 (HGNC:26303)

Function
Responsible for the 2-O-dephosphorylation

ACPL2 Antibody (Center) Blocking Peptide - Background

Belongs to the histidine acid phosphatase family

ACPL2 Antibody (Center) Blocking Peptide - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :Kim, J.J., et al. J. Hum. Genet. 55(1):27-31(2010)Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)

of xylose in the glycosaminoglycan-protein linkage region of proteoglycans thereby regulating the amount of mature glycosaminoglycan (GAG) chains. Sulfated glycosaminoglycans (GAGs), including heparan sulfate and chondroitin sulfate, are synthesized on the so-called common GAG-protein linkage region (GlcUAbeta1-3Galbeta1-3Galbeta1-4Xylbeta1-O-Ser) of core proteins, which is formed by the stepwise addition of monosaccharide residues by the respective specific glycosyltransferases. Xylose 2-O-dephosphorylation during completion of linkage region formation is a prerequisite for the initiation and efficient elongation of the repeating disaccharide region of GAG chains.

Cellular Location
Golgi apparatus membrane; Single-pass type II membrane protein. Note=Colocalizes to Golgi apparatus in a B3GAT3- dependent manner.

Tissue Location
Widely expressed. Strongly expressed in spleen, fetal liver, moderately in placenta, pancreas, kidney, thymus and colon.

ACPL2 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides