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# 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 (<a href="http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=26303" target="_blank">HGNC:26303</a>)

**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 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

## ACPL2 Antibody (Center) Blocking Peptide - Images

## 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)