

ACPL2 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16304c**Specification**

ACPL2 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q8TE99
Other Accession	Q66H78 , Q8BHA9 , NP_689495.1 , NP_001032249.1
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	55240
Antigen Region	306-335

ACPL2 Antibody (Center) - Additional Information**Gene ID** 92370**Other Names**

2-phosphoxylase 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 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=26303)
HGNC:26303

Target/Specificity

This ACPL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 306-335 amino acids from the Central region of human ACPL2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ACPL2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

ACPL2 Antibody (Center) - 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 (GlcUA β 1-3Gal β 1-3Gal β 1-4Xyl β 1-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

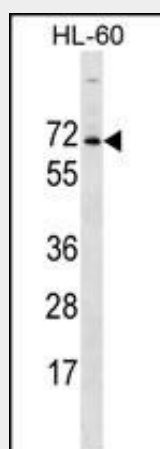
Widely expressed. Strongly expressed in spleen, fetal liver, moderately in placenta, pancreas, kidney, thymus and colon.

ACPL2 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ACPL2 Antibody (Center) - Images



ACPL2 Antibody (Center) (Cat. #AP16304c) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the ACPL2 antibody detected the ACPL2 protein (arrow).

ACPL2 Antibody (Center) - Background

Belongs to the histidine acid phosphatase family

ACPL2 Antibody (Center) - 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)