

ACPL2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59232**Specification**

ACPL2 Polyclonal Antibody - Product Information

Application	IHC-P, WB
Primary Accession	Q8TE99
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55240

ACPL2 Polyclonal Antibody - Additional Information**Gene ID** 92370**Other Names**

2-phosphoxylose phosphatase 1, 3.1.3.-, Acid phosphatase-like protein 2, Xylosyl phosphatase {ECO:0000303|PubMed:24425863, ECO:0000312|EMBL:BAO45795.1}, epididymis luminal protein 124 {ECO:0000303|Ref.2, ECO:0000312|EMBL:ACJ13731.1}, PXYLP1 ([HGNC:26303](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=26303))

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

ACPL2 Polyclonal Antibody - 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.

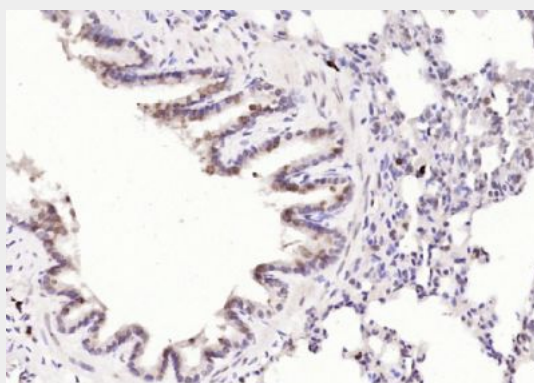
Tissue Location

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

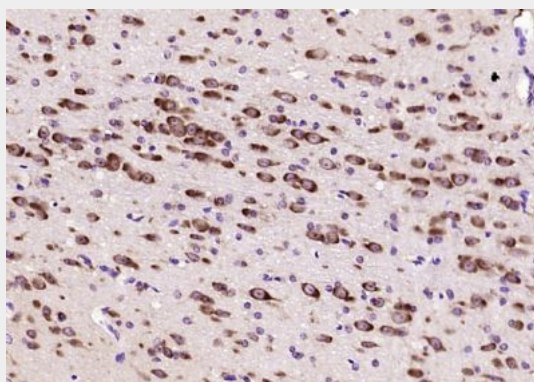
ACPL2 Polyclonal Antibody - Protocols

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](#)

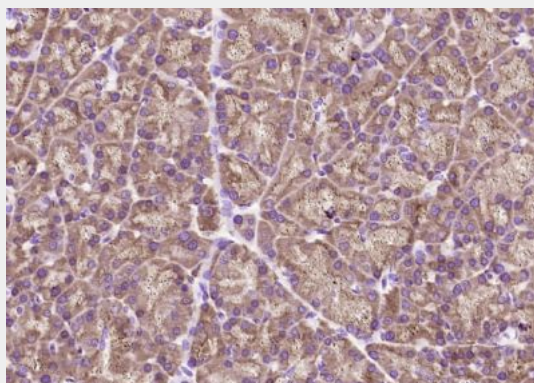
ACPL2 Polyclonal Antibody - Images

Paraformaldehyde-fixed, paraffin embedded (rat lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ACPL2) Polyclonal Antibody, Unconjugated (bs-9348R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

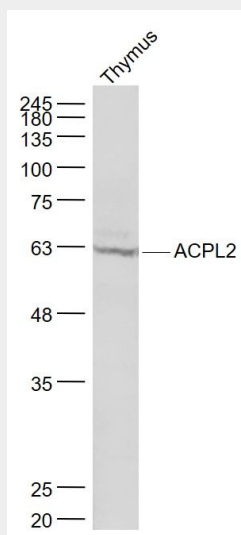


Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ACPL2) Polyclonal Antibody, Unconjugated (bs-9348R) at 1:200 overnight at 4°C, followed by operating

according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ACPL2) Polyclonal Antibody, Unconjugated (bs-9348R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Sample:

Thymus (Mouse) Lysate at 40 ug

Primary: Anti- ACPL2 (bs-9348R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 53 kD

Observed band size: 62 kD