

**PLVAP Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP54949**

**Specification**

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**PLVAP Polyclonal Antibody - Product Information**

Application	IF, WB, IHC-P
Primary Accession	<a href="#">Q9BX97</a>
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50594

**PLVAP Polyclonal Antibody - Additional Information**

**Gene ID** 83483

**Other Names**

Plasmalemma vesicle-associated protein, Fenestrated endothelial-linked structure protein, Plasmalemma vesicle protein 1, PV-1, PLVAP, FELS, PV1

**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.

**PLVAP Polyclonal Antibody - Protein Information**

**Name** PLVAP

**Synonyms** FELS, PV1

**Function**

Endothelial cell-specific membrane protein involved in the formation of the diaphragms that bridge endothelial fenestrae. It is also required for the formation of stomata of caveolae and transendothelial channels. Functions in microvascular permeability, endothelial fenestrae contributing to the passage of water and solutes and regulating transcellular versus paracellular flow in different organs. Plays a specific role in embryonic development.

**Cellular Location**

Cell membrane {ECO:0000250|UniProtKB:Q9WV78}; Single-pass type II membrane protein. Membrane, caveola {ECO:0000250|UniProtKB:Q9WV78}; Single-pass type II membrane protein. Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:Q9WV78}. Note=Membrane-associated protein of caveolae. Found in fenestral and stomatal diaphragms in fenestrated endothelia and transendothelial channels. Also colocalized with CAV1 in perinuclear region. {ECO:0000250|UniProtKB:Q9WV78}

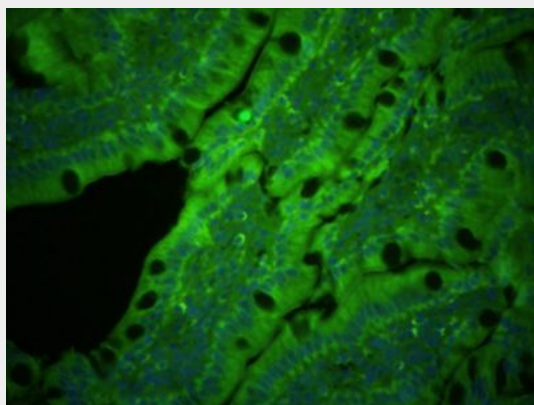
**Tissue Location**

Expressed in lung, kidney, heart, aorta, placenta, muscle, pituitary gland, adrenals, mammary gland, bladder, lymph node, bone marrow, trachea, digestive tract, liver and tumor-associated endothelium.

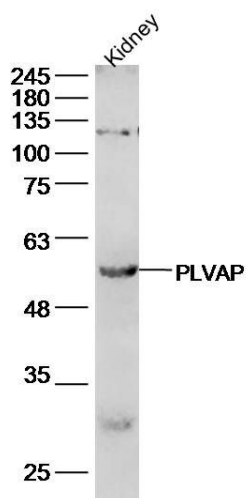
**PLVAP Polyclonal Antibody - Protocols**

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](#)

**PLVAP Polyclonal Antibody - Images**

Paraformaldehyde-fixed, paraffin embedded (Rat colon); 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 (PLVAP) Polyclonal Antibody, Unconjugated (bs-12737R) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (bs-0295G-FITC) for 90 minutes, and DAPI for nuclei staining.



**Sample:**

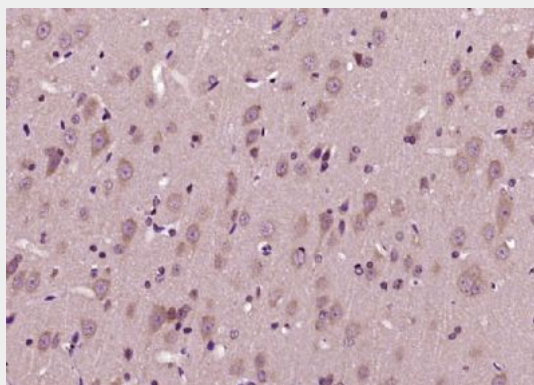
kidney(mouse) Lysate at 40 ug

Primary: Anti- PLVAP(bs-12737R) at 1/2000 dilution

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

Predicted band size: 50kD

Observed band size: 55kD



Paraformaldehyde-fixed, paraffin embedded (Rat 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 (PLVAP) Polyclonal Antibody, Unconjugated (bs-12737R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.