

# PLVAP Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9378c

## Product Information

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|                   |                        |
|-------------------|------------------------|
| Application       | WB, FC, E              |
| Primary Accession | <a href="#">Q9BX97</a> |
| Reactivity        | Human                  |
| Predicted         | Canine                 |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Isotype           | Rabbit IgG             |
| Clone Names       | RB17891                |
| Calculated MW     | 50594                  |
| Antigen Region    | 214-242                |

## Additional Information

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|                    |                                                                                                                                                                              |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 83483                                                                                                                                                                        |
| Other Names        | Plasmalemma vesicle-associated protein, Fenestrated endothelial-linked structure protein, Plasmalemma vesicle protein 1, PV-1, PLVAP, FELS, PV1                              |
| Target/Specificity | This PLVAP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 214-242 amino acids from the Central region of human PLVAP.          |
| Dilution           | WB~~1:1000 FC~~1:10~50 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        | PLVAP Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.                                                                    |

## Protein Information

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|----------|-----------------------------------------------------------------------------|
| 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.

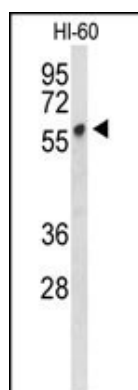
## Background

PLVAP involved in the formation of stomatal and fenestral diaphragms of caveolae. This protein may function in microvascular permeability.

## References

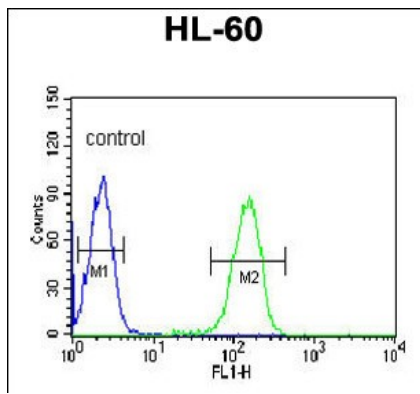
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## Images



Western blot analysis of PLVAP Antibody (Center) (Cat. #AP9378c) in HL-60 cell line lysates (35ug/lane). PLVAP (arrow) was detected using the purified Pab.

PLVAP Antibody (Center) (Cat. #AP9378c) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.