10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PLVAP Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9378c

Specification

PLVAP Antibody (Center) - Product Information

Application	**FC, WB,E**
Primary Accession	Q9BX97
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**214-242**

PLVAP Antibody (Center) - 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

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
FC~~1:10~50
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
PLVAP Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PLVAP Antibody (Center) - 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}

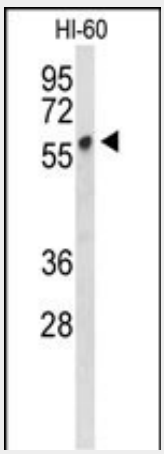
Tissue Location
Expressed in lung, kidney, heart, aorta, placenta, muscle, pituitary gland, adrenals, mammary gland, bladder, lymph node, bone marrow, trachea, digestive tract, liver and tumor-associated endothelium.

PLVAP 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 Cytomety
- Cell Culture

PLVAP Antibody (Center) - 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.

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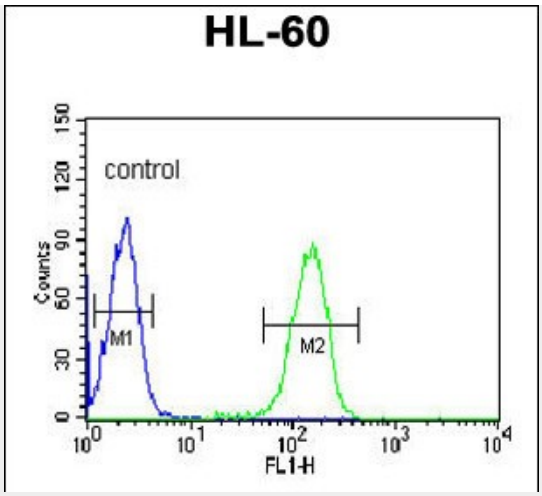

PLVAP Antibody (Center) (Cat. #AP9378c) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

PLVAP Antibody (Center) - Background

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

PLVAP Antibody (Center) - References

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