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PLVAP Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP9378c

Specification

PLVAP Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9BX97

PLVAP Antibody (Center) Blocking Peptide - 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
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PLVAP Antibody (Center) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- Blocking Peptides

PLVAP Antibody (Center) Blocking Peptide - Images

PLVAP Antibody (Center) Blocking Peptide - Background

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

PLVAP Antibody (Center) Blocking Peptide - References

Keuschnigg, J., et al. Blood 114(2):478-484(2009)Carson-Walter, E.B., et al. Clin. Cancer Res. 11(21):7643-7650(2005)Strickland, L.A., et al. J. Pathol. 206(4):466-475(2005)Stan, R.V., et al. Mol. Biol. Cell 15(8):3615-3630(2004)Hnasko, R., et al. J. Endocrinol. 175(3):649-661(2002)Stan, R.V., et al. Genomics 72(3):304-313(2001)Stan, R.V., et al. J. Cell Biol. 145(6):1189-1198(1999)