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PLVAP Rabbit pAb

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Catalog # AP54949

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9BX97
Reactivity	Rat, Mouse
Predicted	Dog, Human, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50594
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PLVAP
Epitope Specificity	301-400/442
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane. Membrane > caveola. Cytoplasm > perinuclear region. Membrane-associated protein of caveolae. Found in fenestral and stomatal diaphragms in fenestrated endothelia and transendothelial channels. Also colocalized with CAV1 in perinuclear region.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	PLVAP (Plasmalemma Vesicle Associated Protein) is a Protein Coding gene. Diseases associated with PLVAP include Breast Benign Neoplasm and Thoracic Benign Neoplasm. GO annotations related to this gene include protein homodimerization activity.

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
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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.

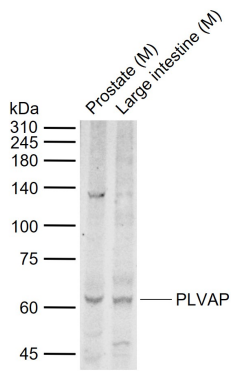
Protein Information

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.

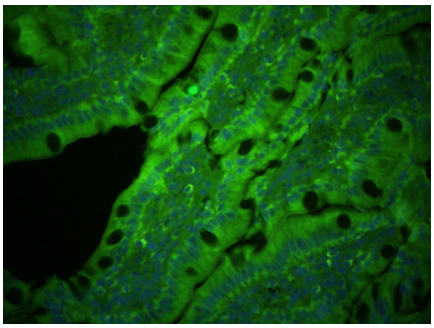
Background

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Images

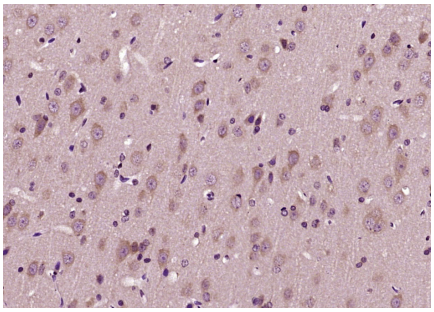


Sample:
Lane 1: Mouse Prostate tissue lysates
Lane 2: Mouse Large intestine tissue lysates
Primary: Anti-PLVAP (AP54949) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 50 kDa
Observed band size: 62 kDa



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 (AP54949) at 1:400 overnight at 4°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (AP54949-FITC) for 90 minutes, and DAPI for nuclei staining.

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 (AP54949) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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