PDZ 结构域 PDZK1 蛋白抗体

产品货号： mlR9036

英文名称： PDZK1

中文名称： PDZ 结构域 PDZK1 蛋白抗体

别　　名： CAP70; CFTR associated protein of 70 kDa; CFTR associated protein, 70-KD; CFTR-associated protein of 70 kDa; CLAMP; D3Ertd537e; Dietary Pi-regulated RNA-1; Diphor-1; mPDZK1; Na(+)/H(+) exchange regulatory cofactor NHE-RF3; Na(+)/H(+) exchanger regulatory factor 3; Na/Pi cotransporter C-terminal-associated protein 1; Na/Pi cotransporter C-terminal-associated protein; NaPi Cap1; NaPi-Cap1; NaPiCap1; NHERF 3; NHERF-3; NHERF3; NHRF3_HUMAN; OTTHUMP00000015572; PDZ domain containing 1; PDZ domain containing protein 1; PDZ domain-containing protein 1; PDZD1; PDZK1; Sodium hydrogen exchanger regulatory factor 3; Sodium-hydrogen exchanger regulatory factor 3; 1700023D20Rik; 2610507N21Rik; 4921513F16Rik; AI267131; AI314638; AL022680; C terminal linking and modulating protein.

研究领域： 肿瘤　细胞生物　免疫学　信号转导

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Rabbit,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:50-200 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 57kDa

细胞定位： 细胞浆 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human PDZK1:1-100/519

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.

PubMed : PubMed

产品介绍 : A scaffold protein that connects plasma membrane proteins and regulatory components, regulating their surface expression in epithelial cells apical domains. May be involved in the coordination of a diverse range of regulatory processes for ion transport and second messenger cascades. In complex with SLC9A3R1, may cluster proteins that are functionally dependent in a mutual fashion and modulate the trafficking and the activity of the associated membrane proteins. May play a role in the cellular mechanisms associated with multidrug resistance through its interaction with ABCC2 and PDZK1IP1. May potentiate the CFTR chloride channel activity. May function to connect SCARB1 with the cellular machineries for intracellular cholesterol transport and/or metabolism. May be involved in the regulation of proximal tubular Na(+)-dependent inorganic phosphate cotransport therefore playing an important role in tubule function.

Function:

A scaffold protein that connects plasma membrane proteins and regulatory components, regulating their surface expression in epithelial cells apical domains. May be involved in the coordination of a diverse range of regulatory processes for ion transport and second messenger cascades. In complex with SLC9A3R1, may cluster proteins that are functionally dependent in a mutual fashion and modulate the trafficking and the activity of the associated membrane proteins. May play a role in the cellular mechanisms associated with multidrug resistance through its interaction with ABCC2 and PDZK1IP1. May potentiate the CFTR chloride channel activity. May function to connect SCARB1 with the cellular machineries for intracellular cholesterol transport and/or metabolism. May be involved in the regulation of proximal tubular Na(+)-dependent inorganic phosphate cotransport therefore playing an important role in tubule function (By similarity).

Subunit:

Interacts with PDZK1IP1 and ABCC2. Binds to the C-terminal region of SLC26A3. Interacts via its PDZ1 domain with the C-terminal domain of SCARB1. Forms a heterodimeric complex with SLC9A3R1. Interacts with AKAP2, BCR, CFTR, SLC22A12, SLC22A4, SLC22A5, SLC26A6, SLC9A3R2 and SLC17A1. Component of a complex, composed of PDZK1, SYNGAP1, KLHL17 and NMDA receptors. Interacts (via PDZ1 domain) directly with KLHL17; the interaction is important for integrity of actin cytoskeleton structures in neurons (By similarity).

Subcellular Location:

Cytoplasm. Membrane. Associated with peripheral membranes. Localizes to the apical compartment of proximal tubular cells and to sinusoidal liver membranes.

Tissue Specificity:

Expression is limited to epithelial cells. Expressed in the kidney (brush border of proximal tubule), pancreas, liver, and small intestine. Expressed at a lower level in the adrenal cortex, testis and stomach. Overexpressed in breast, renal and lung carcinomas.

Similarity:

Belongs to the NHER family.

Contains 4 PDZ (DHR) domains.

SWISS:

Q5T2W1

Gene ID:

5174

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片