





Anti-PDZK1 antibody ab121248

画像数 4

製品の概要

製品名	Anti-PDZK1 antibody
製品の詳細	Rabbit polyclonal to PDZK1
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, WB, IHC-P
種交差性	交差種: Mouse, Rat, Human 交差が予測される動物種: Rabbit, Cow, Chinese hamster 
免疫原	Recombinant fragment: MTSTFNPREC KLSKQEGQNY GFFLRIEKDT EGHLVRVVEK CSPAEEKAGLQ DGDRVLRING VFVDKEEHMQ VVDLVRKSGN SVTLLVLDGD SYEKAV, corresponding to amino acids 1-96 of Human PDZK1  Run BLAST with  Run BLAST with 
ポジティブ・コントロール	Human, mouse and rat liver lysate; Human kidney tissue.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

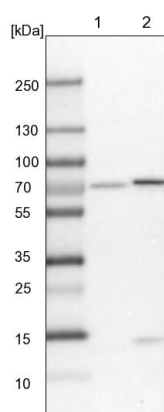
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab121248の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 0.25 - 2 µg/ml.
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 57 kDa.
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. Use buffer at pH 6 for antigen retrieval.

ターゲット情報

機能	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.
組織特異性	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.
配列類似性	Belongs to the NHER family. Contains 4 PDZ (DHR) domains.
ドメイン	The PDZ 2 and 3 domains seem to be involved in the interaction with SLC26A3. Interaction with the C-terminus of CFTR could be mediated through independent binding of PDZ 1, 3 and 4 domains. The PDZ 1 and 3 domains seem to be involved in the interaction with SLCO1A1. The PDZ 1 domain interacts with BCR.
細胞内局在	Cytoplasm. Membrane. Associated with peripheral membranes. Localizes to the apical compartment of proximal tubular cells and to sinusoidal liver membranes.

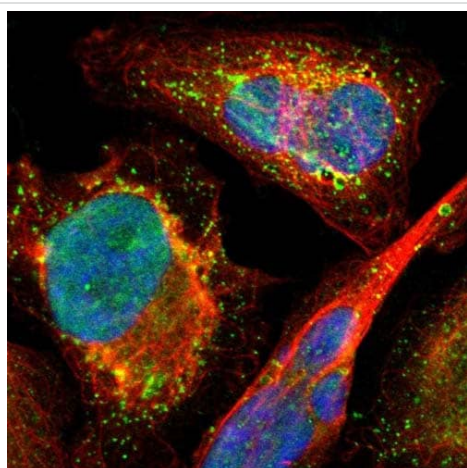
画像



Lane 1: Mouse liver tissue lysate

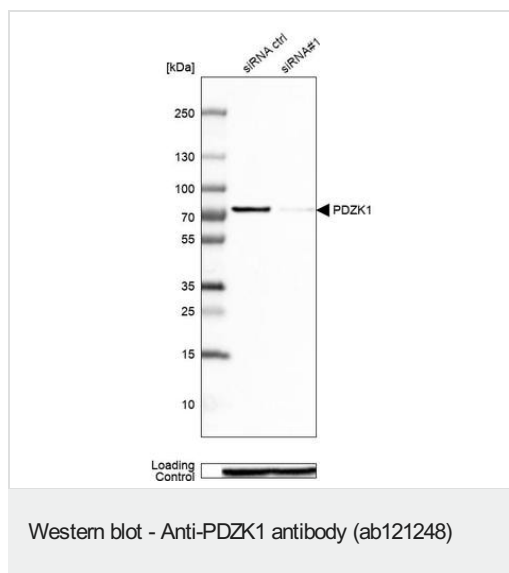
Lane 2: Rat liver tissue lysate

Western blot - Anti-PDZK1 antibody (ab121248)



Immunofluorescent staining of Human cell line U-2 OS shows positivity in nucleus but not nucleoli and vesicles. Recommended concentration of ab121248 1-4 µg/ml. Cells treated with PFA/Triton X-100.

Immunocytochemistry/ Immunofluorescence - Anti-PDZK1 antibody (ab121248)



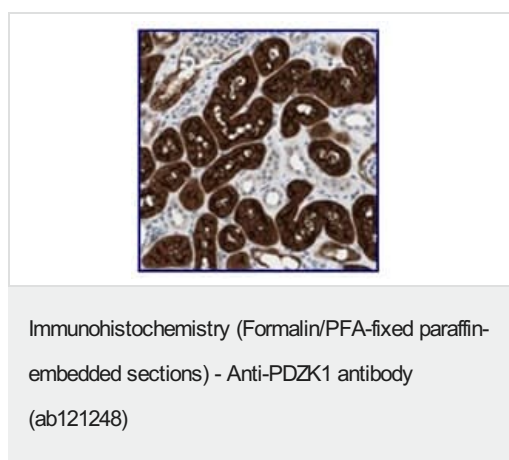
All lanes : Anti-PDZK1 antibody (ab121248)

Lane 1 : Caco-2 cells transfected with control siRNA

Lane 2 : Caco-2 cells transfected with target specific siRNA probe #1

Predicted band size: 57 kDa

Loading control: Anti-GAPDH.



Immunohistochemical staining of paraffin embedded Human kidney, using 1/150 ab121248, shows strong cytoplasmic positivity in cells in tubules.

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