

DATASHEET

PDZK1 Rabbit Polyclonal Antibody

CAT. NO. APA12718

KEY FEATURES

Target	PDZK1	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

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 NHERF1, 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. Required for normal cell-surface expression of SCARB1. Plays a role in maintaining normal plasma cholesterol levels via its effects on SCARB1.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

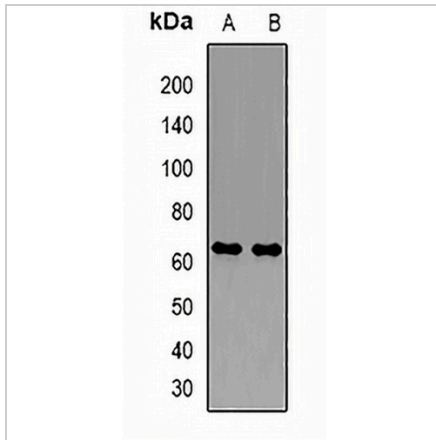
Description	Rabbit polyclonal antibody to PDZK1
Specificity	Recognizes endogenous levels of PDZK1 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human PDZK1
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 44; Observed: 67 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	CAP70; NHERF3; PDZD1; Na(+)/H(+) exchange regulatory cofactor NHE-RF3; NHERF-3; CFTR-associated protein of 70 kDa; Na(+)/H(+) exchanger regulatory factor 3; Na/Pi cotransporter C-terminal-associated protein 1; NaPi-Cap1; PDZ domain-containing protein 1; Sodium-hydrogen exchanger regulatory factor 3
Gene Symbol	PDZK1
Entrez Gene	5174(Human); 59020(Mouse); 65144(Rat)
SwissProt	Q5T2W1(Human); Q9JIL4(Mouse); Q9JJ40(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of PDZK1 expression in mouse kidney (A), mouse liver (B) whole cell lysates. (Predicted band size: 44; 57 kD; Observed band size: 67 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.