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Datasheet for ABIN1387396
anti-PDZK1 antibody

Overview

Quantity:	100 µL
Target:	PDZK1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDZK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PDZK1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	PDZK1
Alternative Name:	PDZK1 (PDZK1 Products)
Background:	Synonyms: CAP70, CFTR associated protein of 70 kDa, CFTR associated protein, 70-KD, CFTR-associated protein of 70 kDa, CLAMP, D3Erd537e, Dietary Pi-regulated RNA-1, Diphor-1, mPDZK1, Na ⁺ /H ⁺ exchange regulatory cofactor NHE-RF3, Na ⁺ /H ⁺ exchanger regulatory factor

Target Details

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.

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 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.

Gene ID: 5174

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months