Datasheet for ABIN954079

anti-PDZK1 antibody (Middle Region)

2 Images

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Overview

Quantity:	0.4 mL
Target:	PDZK1
Binding Specificity:	AA 195-224, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDZK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 195-224 amino acids from the Central region of human PDZK1
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human PDZK1 (Center).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	PDZK1
Alternative Name:	PDZD1 (PDZK1 Products)

Target Details

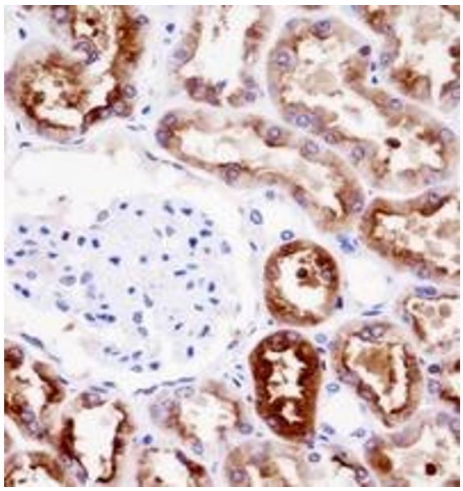
Background:	A scaffold protein that connects plasma membrane proteins and regulatory components, regulating their surface expression in epithelial cells apical domains. May be involved in the coordination of a diverse range of regulatory processes for ion transport and second messenger cascades. In complex 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 (By similarity).Synonyms: CAP70, NHE-RF3, NHERF-3, NHERF3, Na(+)/H(+) exchange regulatory cofactor NHE-RF3, NaPi-Cap1, PDZ domain-containing protein 1, PDZK1, Sodium-hydrogen exchanger regulatory factor 3
Molecular Weight:	57129 Da
Gene ID:	5174
NCBI Accession:	NP_001188254

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

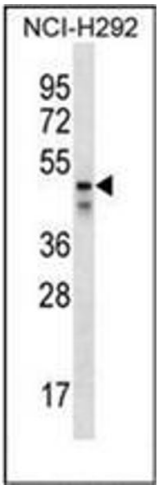
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue reacted with PDZK1 Antibody (Center) followed by peroxidase conjugation of the secondary antibody and DAB staining.



Western Blotting

Image 2. Western blot analysis of PDZK1 Antibody (Center) in NCI-H292 cell line lysates (35ug/lane). This demonstrates the PDZK1 antibody detected the PDZK1 protein (arrow).