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## Datasheet for ABIN2776855 anti-PDZK1 antibody (N-Term)

2 Images



#### Overview

Quantity:	100 µL
Target:	PDZK1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Horse, Dog, Guinea Pig, Rabbit, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDZK1 antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PDZK1
Sequence:	NSVTLLVLDG DSYEKAVKTR VDLKELGQSQ KEQGLSDNIL SPVMNGGVQT
Predicted Reactivity:	Cow: 92%, Dog: 92%, Guinea Pig: 100%, Horse: 92%, Human: 100%, Mouse: 100%, Rabbit: 92%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against PDZK1. It was validated on Western Blot.
Purification:	Affinity Purified
Target Details	
Target:	PDZK1

Alternative Name: PDZK1 (PDZK1 Products)			
	Alternative Name:	PDZK1 (PDZK1 Products)	

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Target Details	
Background:	PDZK1 is a scaffold protein that connects plasma membrane proteins and regulatory
	components, regulating their surface expression in epithelial cells apical domains. It may be
	involved in the coordination of a diverse range of regulatory processes for ion transport and
	second messenger cascades. In complex with SLC9A3R1, it may cluster proteins that are
	functionally dependent in a mutual fashion and modulate the trafficking and the activity of the
	associated membrane proteins. PDZK1 may play a role in the cellular mechanisms associated
	with multidrug resistance through its interaction with ABCC2 and PDZK1IP1. PDZK1 may
	potentiate the CFTR chloride channel activity. It may function to connect SCARB1 with the
	cellular machineries for intracellular cholesterol transport and/or metabolism. PDZK1 may be
	involved in the regulation of proximal tubular Na+-dependent inorganic phosphate cotransport
	therefore playing an important role in tubule function.
	Alias Symbols: CAP70, CLAMP, NHERF3, PDZD1, NHERF-3
	Protein Interaction Partner: AKT1, CDC37, Ptgir, ABCC4, CFTR, APP, Klhl17, Syngap1, Dlg4,
	SLC26A6, SLC22A4, SLC01A2, SLC15A2, PDZK1IP1, SLC22A11, SLC22A12, AKAP10, SLC22A5,
	ABCC2, SCARB1, CLCN3, PEX5, ABCA1, SSTR5, SLC17A1, SLC9A3, GFAP, SLC34A3, FARP2,
	SLK, SLC9A3R1, SLC9A3R2, UBE2I
	Protein Size: 519
Molecular Weight:	57 kDa
Gene ID:	5174
NCBI Accession:	NM_002614, NP_002605
UniProt:	Q5T2W1
Application Details	

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 519 AA
Restrictions:	For Research Use only

### Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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#### Handling

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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Validation report #102749 for Immunohistochemistry (IHC)

