

## Product datasheet for **TA346091**

### PDZK1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PDZK1 antibody: synthetic peptide directed towards the n terminal of human PDZK1. Synthetic peptide located within the following region: MTSTFNPRECKLSKQEGQNYGFFLRIEKDTEGHLVRVVEKCSPAEKAGLQ
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	41 kDa
Gene Name:	PDZ domain containing 1
Database Link:	<a href="#">NP_002605</a> <a href="#">Entrez Gene 5174 Human</a> <a href="#">Q5T2W1</a>



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**Background:**

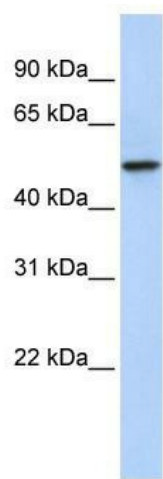
PDZK1 is a scaffold protein that connects plasma membrane proteins and regulatory components, regulating their surface expression in epithelial cells apical domains. It may be involved in the coordination of a diverse range of regulatory processes for ion transport and second messenger cascades. In complex 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<sup>+</sup>-dependent inorganic phosphate cotransport therefore playing an important role in tubule function.

**Synonyms:**

CAP70; CLAMP; NHERF-3; NHERF3; PDZD1

**Note:**

Immunogen Sequence Homology: Human: 100%; Mouse: 100%; Pig: 93%; Rat: 93%; Rabbit: 93%; Guinea pig: 93%; Dog: 86%; Horse: 86%; Bovine: 79%

**Product images:**

WB Suggested Anti-PDZK1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 1562500; Positive Control: 293T cell lysate