

Rabbit anti-Human PDZK1 Polyclonal Antibody | anti-PDZK1 antibody

PDZK1 Antibody (Center)

CATALOG # AAA288891	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

PDZK1; Polyclonal Antibody; PDZK1 Antibody (Center); 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; CAP70; NHERF3; PDZD1; anti-PDZK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PDZK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 196-224 amino acids from the Central region of human PDZK1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.35 (varies by lot)
Sequence Positions	196-224
Sequence Length	408
Applicable Applications for anti-PDZK1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

PDZK1 Antibody (Center) (AAA288891) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PDZK1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-PDZK1 antibody	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).
Product Categories/Family for anti-PDZK1 antibody	Metabolism; Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) LaLonde, D.P., et al. Mol. Biol. Cell 21(9):1519-1529(2010) Polasek, O., et al. Croat. Med. J. 51(1):32-39(2010) Gunjaca, G., et al. Croat. Med. J. 51(1):23-31(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	318037203
NCBI GeneID	5174
NCBI Accession #	NP_001188254.1; NP_001188255.1; NP_002605.2
NCBI GenBank Nucleotide #	NM_001201325.1
UniProt Accession #	Q5T2W1; O60450; Q5T5P6; Q9BQ41; B4DPB9; E7EU02
Molecular Weight	57129
NCBI Official Full Name	Na(+)/H(+) exchange regulatory cofactor NHE-RF3 isoform 1
NCBI Official Synonym Full Names	PDZ domain containing 1
NCBI Official Symbol	PDZK1
NCBI Official Synonym Symbols	CAP70; CLAMP; PDZD1; NHERF3; NHERF-3
NCBI Protein Information	Na(+)/H(+) exchange regulatory cofactor NHE-RF3
UniProt Protein Name	Na(+)/H(+) exchange regulatory cofactor NHE-RF3
UniProt Gene Name	PDZK1
UniProt Synonym Gene Names	CAP70; NHERF3; PDZD1; NHERF-3; NaPi-Cap1
UniProt Entry Name	NHRF3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pdzk1-antibody-immunohistochemistry-western-blot-elisa/288891>