

Product datasheet for **AM31814PU-N**

PDZK1 (1-520) Mouse Monoclonal Antibody [Clone ID: 1C3-2B11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1C3-2B11
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot: 1/500 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	PDZK1 antibody was raised against pPDZK1 (AAH06496, 1 a.a. ~ 520 a.a) full length recombinant protein with GST tag.
Specificity:	This antibody reacts to full length PDZK1.
Formulation:	PBS, pH 7.4 State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	PDZ domain containing 1
Database Link:	Entrez Gene 5174 Human Q5T2W1



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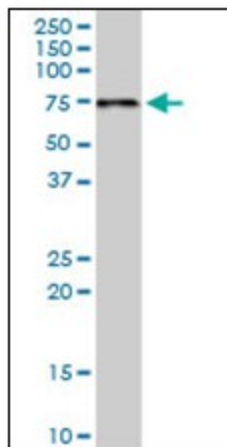
Background:

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.

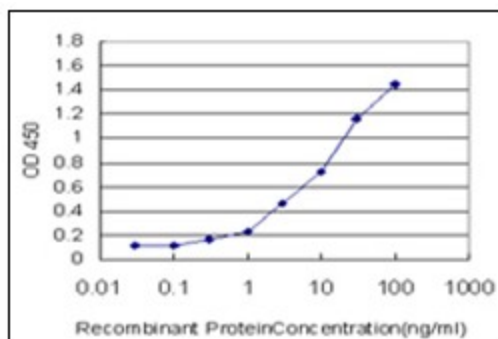
Synonyms:

PDZK1, NHERF3, NHERF-3, NHE-RF3, NaPi-Cap1, CAP70

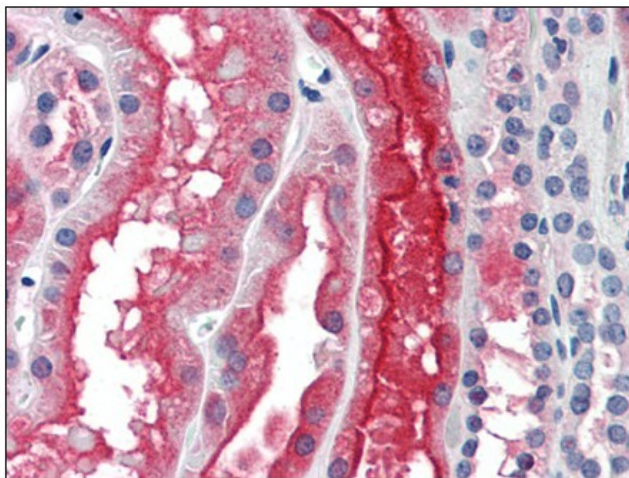
Product images:



PDZK1 monoclonal antibody. Western Blot analysis of PDZK1 expression in human kidney.



Detection limit for recombinant GST tagged PDZK1 is approximately 0.03ng/ml as a capture antibody.



Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)