

PDZK1 Rabbit mAb

Catalog # AP75888

Product Information

Application	WB, IP
Primary Accession	Q5T2W1
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	57129

Additional Information

Gene ID	5174
Other Names	PDZK1
Dilution	WB~~1/500-1/1000 IP~~N/A
Format	Liquid

Protein Information

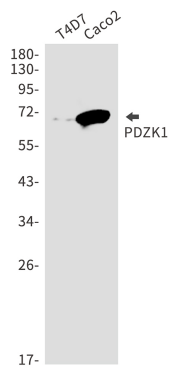
Name	PDZK1
Synonyms	CAP70, NHERF3, PDZD1
Function	<p>A scaffold protein that connects plasma membrane proteins and regulatory components, regulating their surface expression in epithelial cells apical domains. May be involved in the coordination of a diverse range of regulatory processes for ion transport and second messenger cascades. In complex with NHERF1, 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. Required for normal cell-surface expression of SCARB1. Plays a role in maintaining normal plasma cholesterol levels via its effects on SCARB1. Plays a role in the normal localization and function of the chloride-anion exchanger SLC26A6 to the plasma membrane in the brush border of the proximal tubule of the kidney. May be involved in the regulation of proximal tubular Na(+)-dependent inorganic phosphate cotransport therefore playing an important role in tubule function (By similarity).</p>
Cellular Location	Membrane {ECO:0000250 UniProtKB:Q9JJ40}; Peripheral membrane protein {ECO:0000250 UniProtKB:Q9JJ40}. Cell membrane {ECO:0000250 UniProtKB:Q9JIL4}. Note=Associated with peripheral

membranes. Localizes to the apical compartment of proximal tubular cells and to sinusoidal liver membranes {ECO:0000250|UniProtKB:Q9JJ40}

Tissue Location

Expression is limited to epithelial cells. Expressed in the kidney (brush border of proximal tubule), pancreas, liver, and small intestine. Expressed at a lower level in the adrenal cortex, testis and stomach. Overexpressed in breast, renal and lung carcinomas.

Images



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