

Mouse anti-Human PDZK1 Monoclonal Antibody | anti-PDZK1 antibody

PDZK1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48108	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

PDZK1; Monoclonal Antibody; PDZK1 antibody; Na (+)/H (+) exchange regulatory cofactor NHE-RF3; CAP70; CLAMP; NHERF-3; NHERF3; PDZD1; anti-PDZK1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT1A2
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	519
Applicable Applications for anti-PDZK1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human PDZK1 (1-519aa) purified from E. coli
Clone Note	Anti-human PDZK1 mAb, clone AT1A2, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human PDZK1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of PDKZ1 in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PDKZ1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates of HeLa (40ug) and 293T (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PDZK1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-PDZK1 antibody	PDZK1 is PDZ domain-containing scaffolding protein with a 519 amino acid protein. PDZK1 mediates the localization of cell surface proteins and plays a critical role in cholesterol metabolism by regulating the HDL receptor, scavenger receptor class B type 1. This protein is expressed in the kidney, pancreas, liver, gastrointestinal tract, and adrenal cortex. In situ hybridization experiments showed that the expression of PDZK1 was limited to epithelial cells. In addition, PDZK1 was overexpressed in selected tumors of epithelial origin.
Product Categories/Family for anti-PDZK1 antibody	Metabolism
References	Kocher, O., et al. (1999) Lab Invest 64: 1733-1745; Kocher, O., et al. (2001) Mol Cell Biol 23: 1175-1180; Gisler, S.M., et al (2003) Kidney Int 64 (5): 1733-45

NCBI AND UNIPROT INFORMATION

NCBI GI #	318037203
NCBI GeneID	5174
NCBI Accession #	NP_001188254
NCBI GenBank Nucleotide #	NM_001201325.1
UniProt Accession #	Q5T2W1; O60450; Q5T5P6; Q9BQ41; B4DPB9; E7EU02
Molecular Weight	44,665 Da
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

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.