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Product datasheet for AM50029PU-N

PDZK1 Mouse Monoclonal Antibody [Clone ID: AT1A2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT1A2
Applications:	ELISA, WB
Recommended Dilution:	The antibody has been tested by**ELISA, Western blot** analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution is 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant human PDZK1 (1-519aa) purified from E. coli
Specificity:	This antibody recognizes Human PDZK1. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. 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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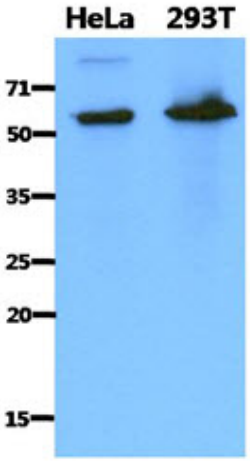
Background: PDZK1 is PDZ domain-containing scaffolding protein with a 519 amino acid protein. PDZK1 mediates the localization of cell surface proteins and plays a critical role in cholesterol metabolism by regulating the HDL receptor, scavenger receptor class B type 1. This protein is expressed in the 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.

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

Product images:



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.