

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

Anti-PDZK1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258987	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PDZK1; Polyclonal Antibody; Anti-PDZK1 Antibody; Rabbit Polyclonal; PDZ domain containing 1; Anti-CAP70 Antibody; Anti-CLAMP Antibody; Anti-NHERF-3 Antibody; Anti-NHERF3 Antibody; Anti-PDZD1 Antibody; anti-PDZK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PDZK1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PDZK1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived Human PDZK1 fragment
Preparation	Produced in rabbits immunized with E coli-derived Human PDZK1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

PDZK1 was immunoprecipitated using: Lane A: 0.5 mg Caco-2 Whole Cell Lysate, 4 uL anti-PDZK1 rabbit polyclonal antibody and 60 ug of Immnomagnetic beads Protein A/G. Primary antibody: Anti-PDZK1 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 57 kDa. Observed band size: ~70 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human PDZK1 in human small intestine with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human PDZK1 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-PDZK1 rabbit polyclonal antibody at 1:500 dilution Lane A: Caco-2 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 57 kDa Observed band size: 70 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PDZK1 antibody

PDZK1 (Post-synaptic density protein/Drosophila disc-large protein/Zonula occludens protein containing 1) is an adaptor protein that binds to the HDL receptor, scavenger receptor class B type I. PDZK1 is a multi-PDZ domain-containing adaptor protein that binds to the C terminus of the high-density lipoprotein receptor, scavenger receptor, class B, type I (SR-BI), and controls the posttranscriptional, tissue-specific expression of this lipoprotein receptor. PDZK1 (NHERF3) interacts with membrane proteins whereby modulating their spatial arrangement, membrane stability, and function. PDZK1 is important for maintaining adequate steady-state levels of SR-BI in the liver but is not essential for cell surface expression or function of hepatic SR-BI. Leukocyte PDZK1 deficiency in high fat-diet fed LDL receptor knockout mice has been found to increase atherosclerotic necrotic core formation and apoptosis of cells within atherosclerotic plaques.

References

Yu P, et al. (2018) Pdzk1 in leukocytes protects against cellular apoptosis and necrotic core development in atherosclerotic plaques in high fat diet fed ldl receptor deficient mice. *Atherosclerosis* 276 171-181.

Yu P, et al. (2018) Data on leukocyte pdzk1 deficiency affecting macrophage apoptosis but not monocyte recruitment, cell proliferation, macrophage abundance or er stress in atherosclerotic plaques of ldlr deficient mice. *Data Brief* 19 1148-1161.

Yesilaltay A, et al. (2006) Pdzk1 is required for maintaining hepatic scavenger receptor, class b, type i (sr-bi) steady state levels but not its surface localization or function. *J Biol Chem* 281 (39): 28975-28980.

Ferreira C, et al. (2019) The nuclear receptors pxxr and lxxr are regulators of the scaffold protein pdzk1. *Biochim Biophys Acta Gene Regul Mech* 1862 (4): 447-456.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/pdzk1-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/258987>