

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

Anti-PDXK Antibody, Rabbit Polyclonal

CATALOG # AAA259518	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
-------------------------------	-----------------------	----------------------------	--

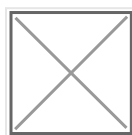
PRODUCT SYNONYMS

PDXK; Polyclonal Antibody; Anti-PDXK Antibody; Rabbit Polyclonal; PDXK Antibody; Rabbit PAb; Antigen Affinity Purified; pyridoxal (pyridoxine; vitamin B6) kinase; Anti-C21orf124 Antibody; Anti-C21orf97 Antibody; Anti-FLJ21324 Antibody; Anti-FLJ31940 Antibody; Anti-HEL-S-1a Antibody; Anti-HMSN6C Antibody; Anti-MGC15873 Antibody; Anti-PKH Antibody; Anti-PNK Antibody; Anti-PRED79 Antibody; anti-PDXK antibody

PRODUCT SPECIFICATIONS

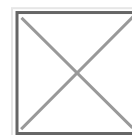
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PDXK
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PDXK antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E coli-derived Human PDXK fragment
Preparation	Produced in rabbits immunized with E coli-derived Human PDXK fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-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. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



IP (Immunoprecipitation)

PDXK was immunoprecipitated using: Lane A:0.5 mg HeLa Whole Cell Lysate Lane B:0.5 mg Jurkat Whole Cell Lysate 4 uL anti-PDXK rabbit polyclonal antibody and 60ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-PDXK rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 34 kDa Observed band size :36 kDa



WB (Western Blot)

Anti-PDXK rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: Jurkat Whole Cell Lysate Lysates/proteins at 30ug 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:35 kDa Observed band size:37 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PDXK antibody	Pyridoxal kinase (PdxK, EC 2.7.1.35) is an important enzyme of the vitamin B6 salvage pathway which is required for phosphorylation of B6 vitamers. PDXK belongs to the phosphotransferase family of enzymes and catalyzes the conversion of the three active forms of vitamin B6, pyridoxine, pyridoxal, and pyridoxamine, to their phosphorylated forms and thereby plays a key role in pyridoxal 5'-phosphate salvage. Pyridoxal kinase (PDXK) catalyzes the phosphorylation of pyridoxal, pyridoxamine, and pyridoxine in the presence of ATP and Zn2+. This constitutes an essential step in the synthesis of pyridoxal 5'-phosphate (PLP), the active form of vitamin B6, a cofactor for over 140 enzymes. In Drosophila, mutations in the dPdxk gene cause chromosome aberrations (CABs) and increase glucose content in larval hemolymph. Both phenotypes are rescued by the expression of the wild type human PDXK counterpart.
References	Tan. L. e. al. (2005. Crysta. structur. o. pyridoxa. kinas. i. comple. wit. roscovitin. an. derivatives. . Bio. Che. 28. (35). 31220-31229.Mascol. E. e. al. (2019. Th. expressio. o. fou. pyridoxa. kinas. (pdxk. huma. variant. i. drosophil. impact. o. genom. integrity. Sc. Re. . (1). 14188.Kelle. N. e. al. (2020. Hereditar. polyneuropath. wit. opti. atroph. du. t. pdx. varian. leadin. t. impaire. vitami. b. metabolism. Neuromuscu. Disor. 3. (7). 583-589.Dek. G. e. al. (2014. Successfu. dat. recover. fro. oscillatio. photograph. containin. stron. polycrystallin. diffractio. ring. fro. a. unknow. small-molecul. contaminant. Preliminar. structur. solutio. o. salmonell. typhimuriu. pyridoxa. kinas. (pdxk). Act. Crystallog. . Struc. Bio. Commu. 7. (P. 4). 526-529.

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/pdxk-antibody-immunoprecipitation-western-blot-elisa/259518>