Rabbit anti-Human PDPK1 Polyclonal Antibody | anti-PDPK1 antibody

Anti-PDPK1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255960	**Rabbit**	**Human**	**Immunofluorescence, Immunocytochemistry, Immunohistochemistry**

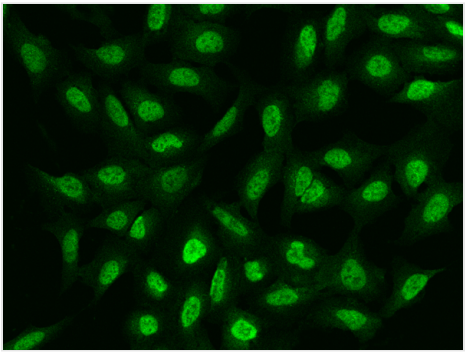
PRODUCT SYNONYMS

PDPK1; Polyclonal Antibody; Anti-PDPK1 Antibody; Rabbit Polyclonal; PDPK1 Antibody; Rabbit PAb; Antigen Affinity Purified; 3-phosphoinositide dependent protein kinase 1; Anti-PDK1 Antibody; Anti-PDPK2 Antibody; Anti-PDPK2P Antibody; Anti-PRO0461 Antibody; anti-PDPK1 antibody

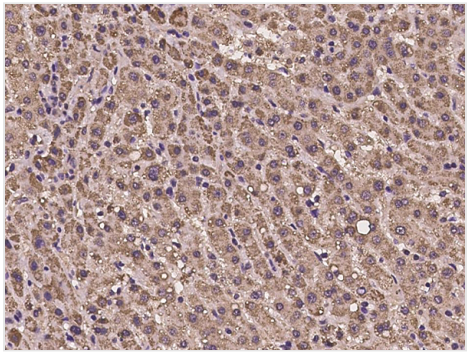
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PDPK1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-PDPK1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human PDPK1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human PDPK1 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



IF (Immunofluorescence)
Immunofluorescence staining of PDPK1 in U2OS cells. Cells were fixed with 4% PFA, permeabilzed with 0.1% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-Human PDPK1 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus.



IHC (Immunohistochemistry)
Immunochemical staining of human PDPK1 in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PDPK1 antibody	3-phosphoinositide dependent protein kinase-1 (PDK1 or PDPK1), and the majority of its substrates, belong to the AGC family of kinases (related to cAMP-dependent protein kinase 1, cyclic Guanosine monophosphate-dependent protein kinase, and protein kinase C), and control a plethora of cellular processes, downstream either to PI3K or other pathways, such as RAS GTPase-MAPK (mitogen-activated protein kinase). PDPK1, one of the members of an upregulated EGF-signaling network in LRCC, mediates resistance to gemcitabine, is found to be dysregulated in pancreas cancer specimens, and might be an attractive molecular target for combination therapy studies. An increasing amount of evidence hints at PDPK1 as an intriguing and underexplored target for cancer therapy. Several reports show that PDK1 expression is dysregulated in multiple cancer types. Furthermore, PDK1 is implicated in signaling pathways frequently altered in cancer, such as PI3K/Akt, Ras/MAPK, and Myc.
Product Categories/Family for anti-PDPK1 antibody	EGFR Signaling Pathway
References	Li D, et al. (2018) Loss of pdpk1 abrogates resistance to gemcitabine in label-retaining pancreatic cancer cells. BMC Cancer 18 (1): 772.Gagliardi PA, et al. (2018) Pdk1: At the crossroad of cancer signaling pathways. Semin Cancer Biol 48 27-35.Di Blasio L, et al. (2017) Serine/threonine kinase 3-phosphoinositide-dependent protein kinase-1 (pdk1) as a key regulator of cell migration and cancer dissemination. Cancers (Basel) 9 (3): 25.

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.

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Online datasheet: https://www.aaabiotech.com/polyclonal/pdpk1-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/255960