

Rabbit PDK2 Polyclonal Antibody | anti-PDK2 antibody

PDK2 Antibody (C-term)

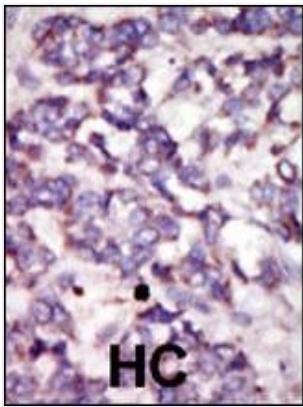
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284911	Rabbit	Human, mouse, rat, monkey	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

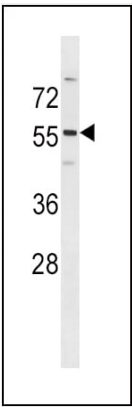
PDK2; Polyclonal Antibody; PDK2 Antibody (C-term); [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 2; mitochondrial; Pyruvate dehydrogenase kinase isoform 2; PDH kinase 2; PDKII; PDHK2; anti-PDK2 antibody

PRODUCT SPECIFICATIONS

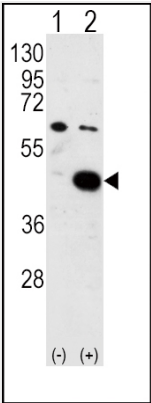
Host	Rabbit
Reactivity	Human, mouse, rat, monkey
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PDK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 378-407 amino acids from the C-terminal region of human PDK2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	378-407
Sequence Length	343
Applicable Applications for anti-PDK2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



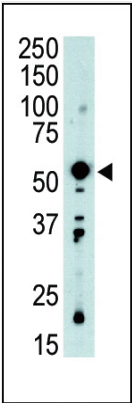
IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
PDK2 Antibody (C392) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the PDK2 antibody detected the PDK2 protein (arrow).



WB (Western Blot)
Western blot analysis of PDK2 (arrow) using PDK2 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PDK2 gene (Lane 2) (Origene Technologies).



WB (Western Blot)
Western blot analysis of PDK2 Antibody (C-term) in mouse intestine tissue lysate (35ug/lane). PDK2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PDK2 antibody	PDK2 inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.
Product Categories/Family for anti-PDK2 antibody	Crown Antibodies; Cancer; Metabolism; Signal Transduction
References	Hiromasa, Y., et al., J. Biol. Chem. 278(36):33681-33693 (2003). Baker, J.C., et al., J. Biol. Chem. 275(21):15773-15781 (2000). Gudi, R., et al., J. Biol. Chem. 270(48):28989-28994 (1995). Sun, W. et al. Clin Cancer Res. January 15; 15(2): 476?84(2009).

NCBI AND UNIPROT INFORMATION

NCBI GI #	315630349
NCBI GeneID	5164
NCBI Accession #	NP_001186827.1; NP_001186828.1; NP_002602.2
NCBI GenBank Nucleotide #	NM_001199898.1
UniProt Accession #	Q15119; Q6P515; Q9BS05; A8K3A7; B3KNW0

Molecular Weight	46154
NCBI Official Full Name	pyruvate dehydrogenase kinase, isozyme 2 isoform 2
NCBI Official Synonym Full Names	pyruvate dehydrogenase kinase, isozyme 2
NCBI Official Symbol	PDK2
NCBI Official Synonym Symbols	PDHK2; PDKII
NCBI Protein Information	pyruvate dehydrogenase kinase, isozyme 2
UniProt Protein Name	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 2, mitochondrial
UniProt Gene Name	PDK2
UniProt Synonym Gene Names	PDHK2; PDH kinase 2; PDKII
UniProt Entry Name	PDK2_HUMAN

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/pdk2-antibody-immunohistochemistry-western-blot-elisa/284911>