

Rabbit Pdk2 Polyclonal Antibody | anti-Pdk2 antibody

Mouse Pdk2 Antibody (N-term)

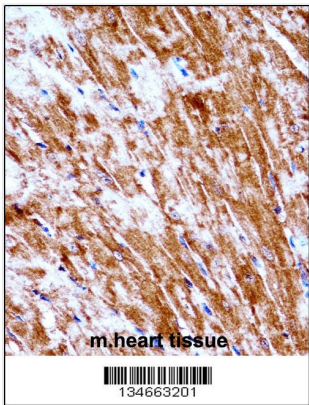
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285506	Rabbit	Human, mouse (Predicted Reactivity: Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

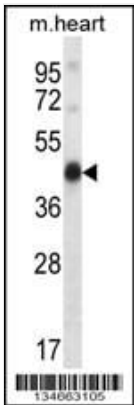
Pdk2; Polyclonal Antibody; Mouse Pdk2 Antibody (N-term); [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 2; mitochondrial; Pyruvate dehydrogenase kinase isoform 2; PDH kinase 2; anti-Pdk2 antibody

PRODUCT SPECIFICATIONS

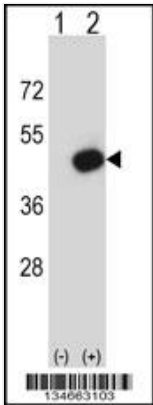
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Pdk2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 78-107 amino acids from the N-terminal region of mouse Pdk2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	78-107
Sequence Length	407
Applicable Applications for anti-Pdk2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	MOUSE
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.



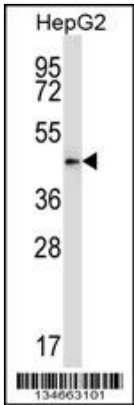
IHC (Immunohistochemistry)
Mouse Pdk2 Antibody (N-term) (AAA285506)immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of Mouse Pdk2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Mouse Pdk2 Antibody (N-term) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the Pdk2 antibody detected the Pdk2 protein (arrow).



WB (Western Blot)
Western blot analysis of Pdk2 (arrow) using rabbit polyclonal Mouse Pdk2 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the Pdk2 gene.



WB (Western Blot)
Mouse Pdk2 Antibody (N-term) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the Pdk2 antibody detected the Pdk2 protein (arrow).

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	Cancer; Signal Transduction
References	Sun, W., et al. Clin. Cancer Res. 15(2):476-484(2009) Pagliarini, D.J., et al. Cell 134(1):112-123(2008) Osafune, K., et al. Development 133(1):151-161(2006) Papin, J., et al. Curr. Opin. Biotechnol. 15(1):78-81(2004) Mootha, V.K., et al. Cell 115(5):629-640(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	226958643
NCBI GeneID	18604
NCBI Accession #	NP_598428.2
NCBI GenBank Nucleotide #	NM_133667.2

UniProt Accession #	Q9JK42; Q8VC63
Molecular Weight	46041
NCBI Official Full Name	pyruvate dehydrogenase kinase, isoenzyme 2
NCBI Official Synonym Full Names	pyruvate dehydrogenase kinase, isoenzyme 2
NCBI Official Symbol	Pdk2
NCBI Protein Information	pyruvate dehydrogenase kinase, isoenzyme 2
UniProt Protein Name	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 2, mitochondrial
UniProt Gene Name	Pdk2
UniProt Synonym Gene Names	PDH kinase 2
UniProt Entry Name	PDK2_MOUSE

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://stage.aaabiotech.com/polyclonal/pdk2-antibody-immunohistochemistry-western-blot-elisa/285506>