

Rabbit anti-Human, Mouse PDK3 Polyclonal Antibody | anti-PDK3 antibody

PDK3 Antibody

CATALOG # AAA230975	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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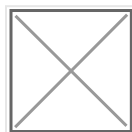
PRODUCT SYNONYMS

PDK3; Polyclonal Antibody; PDK3 Antibody; [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 3; mitochondrial; Pyruvate dehydrogenase kinase isoform 3; PDHK3; anti-PDK3 antibody

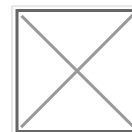
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	415
Applicable Applications for anti-PDK3 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 3, mitochondrial protein (C-270AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-14488 / sc-14490
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES


IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded human heart tissue AAA230975 at dilution 1:100


IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded human testis tissue AAA230975 at dilution 1:100



WB (Western Blot)

Western blotAll lanes: PDK3 antibody at 1.6ug/mlLane 1: Mouse skeletal muscle tissueLane 2: Monocytic leukemia cells in mice MacrophagesLane 3: A431 whole cell lysateLane 4: HepG-2 whole cell lysateSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 47,49 kDaObserved band size: 47 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PDK3 antibody	Inhibits pyruvate dehydrogenase activity by phosphorylation of the E1 subunit PDHA1, and thereby regulates glucose metabolism and aerobic respiration. Can also phosphorylate PDHA2. Decreases glucose utilization and increases fat metabolism in response to prolonged fasting, and as adaptation to a high-fat diet. Plays a role in glucose homeostasis and in maintaining normal blood glucose levels in function of nutrient levels and under starvation. Plays a role in the generation of reactive oxygen species.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	215422338
NCBI GeneID	5165
NCBI Accession #	NP_001135858.1
NCBI GenBank Nucleotide #	NM_001142386.2
UniProt Accession #	Q15120; B4DXG6
Molecular Weight	48,043 Da
NCBI Official Full Name	pyruvate dehydrogenase kinase, isozyme 3 isoform 1
NCBI Official Synonym Full Names	pyruvate dehydrogenase kinase 3
NCBI Official Symbol	PDK3
NCBI Official Synonym Symbols	CMTX6; GS1-358P8.4
NCBI Protein Information	pyruvate dehydrogenase kinase, isozyme 3
UniProt Protein Name	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 3, mitochondrial
UniProt Gene Name	PDK3
UniProt Synonym Gene Names	PDHK3
UniProt Entry Name	PDK3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/pdk3-antibody-immunohistochemistry-western-blot-elisa/230975>