

Rabbit anti-Human, Mouse PDK2 Polyclonal Antibody | anti-PDK2 antibody

Rabbit anti-human PDK2 polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA119355	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

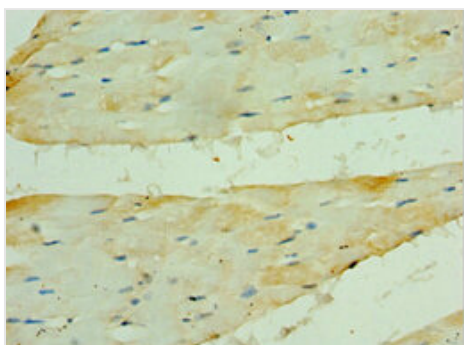
PRODUCT SYNONYMS

PDK2; Polyclonal Antibody; Rabbit anti-human PDK2 polyclonal Antibody; Pyruvate dehydrogenase kinase isoform 2; PDH kinase 2; PDKII; PDHK2; anti-PDK2 antibody

PRODUCT SPECIFICATIONS

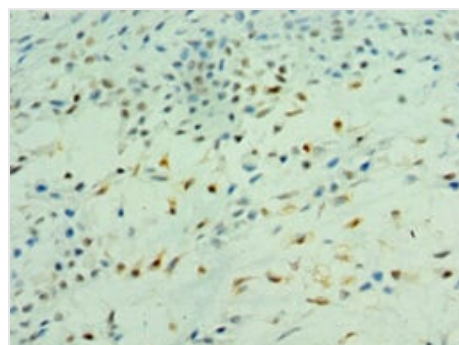
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	343
Applicable Applications for anti-PDK2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 2, mitochondrial protein (128-407aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-14484 / sc-14486
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



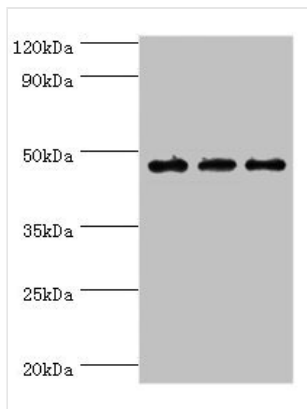
IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded human skeletal muscle using AAA119355 at dilution 1:100



IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded human berast cancer using AAA119355 at dilution 1:100



WB (Western Blot)

All lanes: PDK2 antibody at 6ug/ml Lane 1: mouse heart tissue Lane 2: Hela whole cell lysate Lane 3: mouse skeletal muscle tissue Secondary Goat polyclonal to rabbit at 1/10000 dilution Predicted band size: 47,39 kDa Observed band size: 46 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PDK2 antibody	Kinase that plays a key role in the regulation of glucose and fatty acid metabolism and homeostasis via phosphorylation of the pyruvate dehydrogenase subunits PDHA1 and PDHA2. This inhibits pyruvate dehydrogenase activity, and thereby regulates metabolite flux through the tricarboxylic acid cycle, down-regulates aerobic respiration and inhibits the formation of acetyl-coenzyme A from pyruvate. Inhibition of pyruvate dehydrogenase decreases glucose utilization and increases fat metabolism. Mediates cellular responses to insulin. Plays an important role in maintaining normal blood glucose levels and in metabolic adaptation to nutrient availability. Via its regulation of pyruvate dehydrogenase activity, plays an important role in maintaining normal blood pH and in preventing the accumulation of ketone bodies under starvation. Plays a role in the regulation of cell proliferation and in resistance to apoptosis under oxidative stress. Plays a role in p53/TP53-mediated apoptosis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	315630349
NCBI GeneID	5164
NCBI Accession #	NP_001186827.1
NCBI GenBank Nucleotide #	NM_001199898.1
UniProt Accession #	Q15119; Q6P515; Q9BS05; A8K3A7; B3KNW0
Molecular Weight	38,864 Da
NCBI Official Full Name	pyruvate dehydrogenase kinase, isozyme 2 isoform 2
NCBI Official Synonym Full Names	pyruvate dehydrogenase kinase 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.

