

Rabbit PDHK1 Polyclonal Antibody | anti-PDHK1 antibody

PDHK1(Phospho-Thr338) Antibody

CATALOG # AAA309016	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

PDHK1; Polyclonal Antibody; PDHK1(Phospho-Thr338) Antibody; PDK1; PDH kinase 1; anti-PDHK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of PDHK1 only when phosphorylated at threonine 338.
Purity/Purification	By immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Applicable Applications for anti-PDHK1 antibody	WB (Western Blot)
Target Species	Human
Immunogen	Peptide sequence around phosphorylation site of threonine 338(Y-S-T(p)-A-P) derived from Human PDHK1.
Immunogen Type	Peptide-KLH
Modification	Phospho-Thr338
Preparation and Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

ADDITIONAL INFORMATION

Related Product Information for anti-PDHK1 antibody	Kinase that plays a key role in 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. Plays an important role in cellular responses to hypoxia and is important for cell proliferation under hypoxia. Protects cells against apoptosis in response to hypoxia and oxidative stress.
Product Categories/Family for anti-PDHK1 antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	514052656
NCBI GeneID	5163

NCBI Accession #	NP_001265478.1
NCBI GenBank Nucleotide #	NM_001278549.1
UniProt Accession #	Q15118 ; Q308M4 ; B2R6T1 ; B7Z937 ; D3DPD8 ; E9PD65
Molecular Weight	49kd
NCBI Official Full Name	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial isoform 1
NCBI Official Synonym Full Names	pyruvate dehydrogenase kinase 1
NCBI Official Symbol	PDK1
NCBI Protein Information	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial
UniProt Protein Name	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial
UniProt Gene Name	PDK1
UniProt Synonym Gene Names	PDHK1; PDH kinase 1
UniProt Entry Name	PDK1_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://stage.aaabiotech.com/polyclonal/pdhk1-antibody-western-blot-elisa/309016>