

Rabbit anti-Human, Rat Mitochondrial Pyruvate dehydrogenase kinase 1 Polyclonal Antibody | anti-PDK1 antibody

Anti-Mitochondrial Pyruvate dehydrogenase kinase 1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45488	Rabbit	Human, Rat	Immunohistochemistry, Western Blot

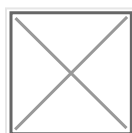
PRODUCT SYNONYMS

Mitochondrial Pyruvate dehydrogenase kinase 1; Polyclonal Antibody; Anti-Mitochondrial Pyruvate dehydrogenase kinase 1 antibody; [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1; mitochondrial; pyruvate dehydrogenase kinase; isozyme 1; [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1 antibody; mitochondrial antibody; HGNC:8809 antibody; Mitochondrial pyruvate dehydrogenase kinase isoenzyme 1 antibody; PDH kinase 1 antibody; Pdk1 antibody; PDK1_HUMAN antibody; Pyruvate dehydrogenase kinase isoform 1 antibody; Pyruvate dehydrogenase kinase; isoenzyme 1 antibody; anti-PDK1 antibody

PRODUCT SPECIFICATIONS

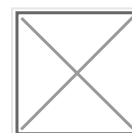
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized; Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Sequence Length	436
Applicable Applications for anti-PDK1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Mitochondrial Pyruvate dehydrogenase kinase 1 (408-421aa WKHYNTNHEADDWC), different from the related rat sequence by one amino acid, and from the related mouse sequence by two amino acids.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti-Mitochondrial Pyruvate dehydrogenase kinase 1 antibody, AAA45488, IHC(P)IHC(P): Human Prostatic Cancer Tissue



WB (Western Blot)

Anti-Mitochondrial Pyruvate dehydrogenase kinase 1 antibody, AAA45488, Western blotting Lane 1: Rat Heart Tissue Lysate Lane 2: Rat Skeletal Muscle Tissue Lysate Lane 3: HELA Cell Lysate Lane 4: M231 Cell Lysate Lane 5: COLO320 Cell Lysate Lane 6: SW620 Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PDK1 antibody	Description: Rabbit IgG polyclonal antibody for[Pyruvate dehydrogenase[lipoamide]] kinase isozyme 1, mitochondrial(PDK1) detection. Tested with WB, IHC-P in Human, Rat. Background: PDK1(Pyruvate Dehydrogenase Kinase Isoenzyme 1), is an enzyme that in humans is encoded by the PDK1 gene. To find human PDKs, Gudi et al.(1995) used oligonucleotide primers to screen a human liver cDNA library by PCR. They identified and reported the deduced amino acid sequences of PDK1, PDK2, and PDK3. The human PDK1 gene encodes a protein with a predicted molecular mass of 49,244 Da that shares 93% identity with that of the rat PDK1 gene. Northern blot analysis showed that the PDK1 message was expressed predominantly in the heart.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3183117
NCBI GeneID	5163
UniProt Accession #	Q15118; Q308M4; B2R6T1; B7Z937; D3DPD8; E9PD65
NCBI Official Full Name	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial
NCBI Official Synonym Full Names	pyruvate dehydrogenase kinase, isozyme 1
NCBI Official Symbol	PDK1
NCBI Protein Information	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial; [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial; PDH kinase 1; pyruvate dehydrogenase kinase, isoenzyme 1; mitochondrial pyruvate dehydrogenase, lipoamide, kinase isoenzyme 1
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/mitochondrial-pyruvate-dehydrogenase-kinase-1-antibody-immunohistochemistry-western-blot-elisa/45488>