

Mouse PDK1 Monoclonal Antibody | anti-PDK1 antibody

PDK1 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320193	Mouse	Human, Rat, Monkey	ELISA, Flow Cytometry, Functional Assay, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

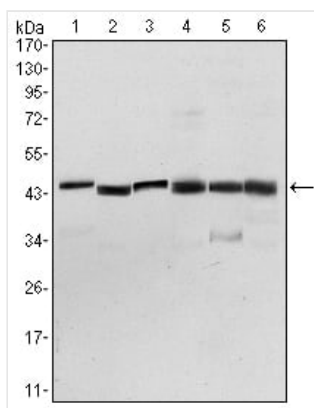
PRODUCT SYNONYMS

PDK1; Monoclonal Antibody; PDK1 Monoclonal Antibody; [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1 mitochondrial; PDHK1; [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1; mitochondrial; Pyruvate dehydrogenase kinase isoform 1; anti-PDK1 antibody

PRODUCT SPECIFICATIONS

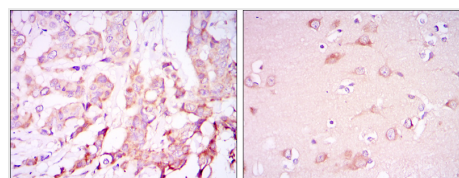
Host	Mouse
Reactivity	Human, Rat, Monkey
Clonality	Monoclonal
Specificity	PDK1 Monoclonal Antibody detects endogenous levels of PDK1 protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-PDK1 antibody	ELISA, FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human PDK1 expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



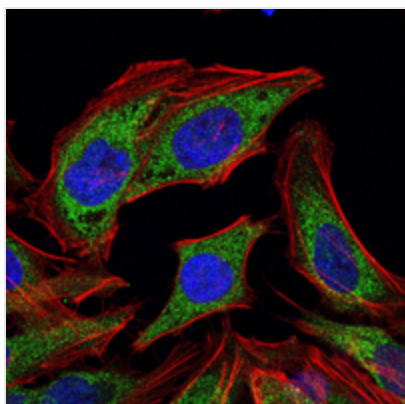
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Lovo cells using PDK1 Monoclonal Antibody (green) and negative control (purple).



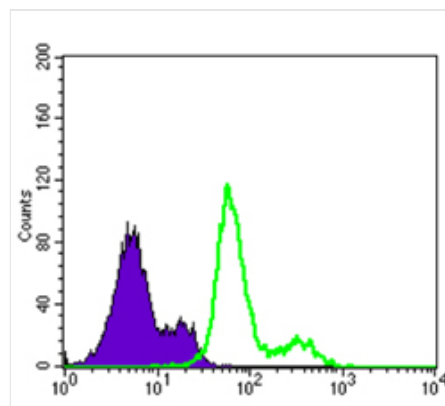
IF (Immunofluorescence)

Immunofluorescence analysis of HELA cells using PDK1 Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded breast cancer tissues (left) and brain tissues (right) with DAB staining using PDK1 Monoclonal Antibody.



WB (Western Blot)

Western Blot analysis using PDK1 Monoclonal Antibody against NIH/3T3 (1), HeLa (2), Jurkat (3), HepG2 (4), PC-12 (5), and Cos7 (6) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-PDK1 antibody	Pyruvate dehydrogenase (PDH) is a mitochondrial multienzyme complex that catalyzes the oxidative decarboxylation of pyruvate and is one of the major enzymes responsible for the regulation of homeostasis of carbohydrate fuels in mammals. The enzymatic activity is regulated by a phosphorylation/dephosphorylation cycle. Phosphorylation of PDH by a specific pyruvate dehydrogenase kinase (PDK) results in inactivation. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2013]
Product Categories/Family for anti-PDK1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505689
NCBI GeneID	5163
NCBI Accession #	NP_002601.1
NCBI GenBank Nucleotide #	NM_002610.4
UniProt Accession #	Q15118; B2R6T1; D3DPD8
Molecular Weight	49,244 Da
NCBI Official Full Name	pyruvate dehydrogenase kinase, isozyme 1 isoform 2
NCBI Official Synonym Full Names	pyruvate dehydrogenase kinase, isozyme 1
NCBI Official Symbol	PDK1
NCBI Protein Information	pyruvate dehydrogenase kinase, isozyme 1; PDH kinase 1; pyruvate dehydrogenase kinase, isoenzyme 1; mitochondrial pyruvate dehydrogenase, lipoamide, kinase isoenzyme 1
UniProt Protein Name	[Pyruvate dehydrogenase [lipoamide]] 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/monoclonal/pdk1-antibody-flow-cytometry-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320193>