

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

PDK3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286311	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Western Blot

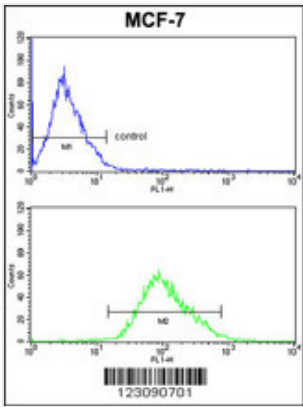
PRODUCT SYNONYMS

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

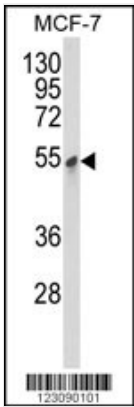
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PDK3 antibody is generated from rabbits immunized with human PDK3 recombinant protein.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.28 (varies by lot)
Sequence Length	415
Applicable Applications for anti-PDK3 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Recombinant Protein
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
PDK3 Antibody FC analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of PDK3 Antibody in MCF-7 cell line lysates (35ug/lane). PDK3 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PDK3 antibody	PDK3 inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.
Product Categories/Family for anti-PDK3 antibody	Metabolism; Signal Transduction
References	Baker, J.C., et al., J. Biol. Chem. 275(21):15773-15781 (2000). Gudi, R., et al., J. Biol. Chem. 270(48):28989-28994 (1995).

NCBI AND UNIPROT INFORMATION

NCBI GI #	215422338
NCBI GeneID	5165
NCBI Accession #	NP_001135858.1; NP_005382.1
NCBI GenBank Nucleotide #	NM_001142386.2
UniProt Accession #	Q15120; B4DXG6
Molecular Weight	46939
NCBI Official Full Name	pyruvate dehydrogenase kinase, isozyme 3 isoform 1
NCBI Official Synonym Full Names	pyruvate dehydrogenase kinase, isozyme 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.

