

Rabbit anti-Human PDK4 Polyclonal Antibody | anti-PDK4 antibody

PDK4 Antibody (E265)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285490	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

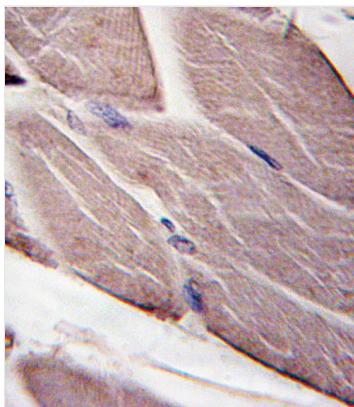
PRODUCT SYNONYMS

PDK4; Polyclonal Antibody; PDK4 Antibody (E265); [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 4; mitochondrial; Pyruvate dehydrogenase kinase isoform 4; PDHK4; anti-PDK4 antibody

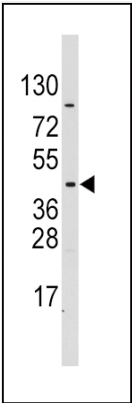
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PDK4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 250-277 amino acids from human PDK4.
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: 0.5 (varies by lot)
Sequence Positions	250-277
Sequence Length	411
Applicable Applications for anti-PDK4 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
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



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with PDK4-E265, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of PDK4 Antibody (E265) in CEM cell line lysates (35ug/lane). PDK4 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PDK4 antibody	PDK4 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-PDK4 antibody	Metabolism; Signal Transduction
References	Rosa, G., et al., Obes. Res. 11(2):176-182 (2003). Razeghi, P., et al., Cardiology 97(4):203-209 (2002). Rowles, J., et al., J. Biol. Chem. 271(37):22376-22382 (1996). Gudi, R., et al., J. Biol. Chem. 270(48):28989-28994 (1995).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505693
NCBI GeneID	5166
NCBI Accession #	NP_002603.1
NCBI GenBank Nucleotide #	NM_002612.3
UniProt Accession #	Q16654
Molecular Weight	46469
NCBI Official Full Name	pyruvate dehydrogenase kinase, isozyme 4
NCBI Official Synonym Full Names	pyruvate dehydrogenase kinase, isozyme 4
NCBI Official Symbol	PDK4
NCBI Protein Information	pyruvate dehydrogenase kinase, isozyme 4
UniProt Protein Name	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 4, mitochondrial
UniProt Gene Name	PDK4
UniProt Synonym Gene Names	PDHK4
UniProt Entry Name	PDK4_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.

