

Rabbit PDK4 Polyclonal Antibody | anti-PDK4 antibody

PDK4 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197462	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat	Western Blot, Immunohistochemistry

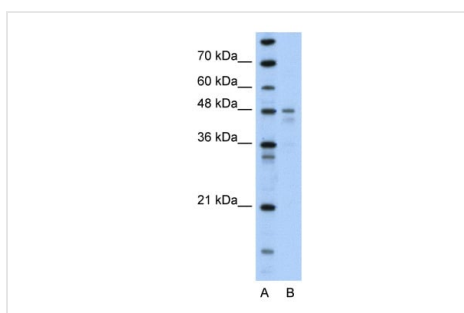
PRODUCT SYNONYMS

PDK4; Polyclonal Antibody; PDK4 antibody - N-terminal region; anti-PDK4 antibody

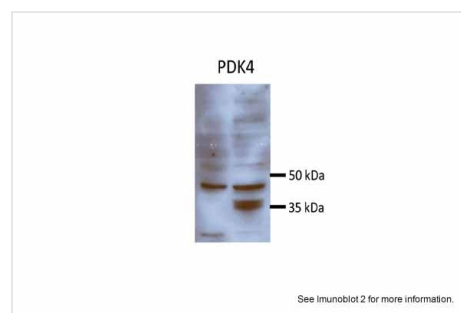
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: MK AARFVLRSG SLNGAGLVPR EVEHFSRYSPLSMKQLLD FGSENACE
Sequence Length	411
Applicable Applications for anti-PDK4 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 92%; Dog: 92%; Guinea Pig: 92%; Horse: 100%; Human: 100%; Mouse: 92%; Pig: 100%; Rabbit: 100%; Rat: 92%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PDK4
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

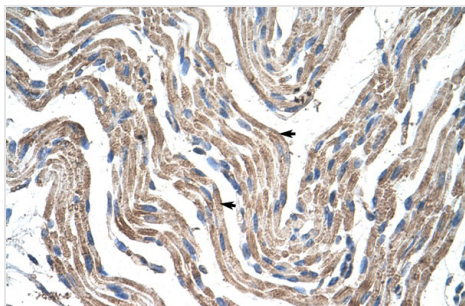
IMAGES


WB (Western Blot)

WB Suggested Anti-PDK4 Antibody Titration: 0.2-1 ug/ml Positive Control: Transfected 293T


WB (Western Blot)

Sample Type: Human Huh7, HepG2 Sample Type: Huh7 HepG2 (50ug) Primary Antibody Dilution: 1:500 Image Submitted By: Partha Kasturi University of Kansas Medical Center



IHC (Immunohistochemistry)
Human Muscle

ADDITIONAL INFORMATION

Related Product Information for anti-PDK4 antibody	This is a rabbit polyclonal antibody against PDK4. It was validated on Western Blot and immunohistochemistry Target Description: PDK4 is a member of the PDK/BCKDK protein kinase family and is a mitochondrial protein with a histidine kinase domain. This protein is located in the matrix of the mitochondria and inhibits the pyruvate dehydrogenase complex by phosphorylating one of its subunits, thereby contributing to the regulation of glucose metabolism. This gene is a member of the PDK/BCKDK protein kinase family and encodes a mitochondrial protein with a histidine kinase domain. This protein is located in the matrix of the mitochondria and inhibits the pyruvate dehydrogenase complex by phosphorylating one of its subunits, thereby contributing to the regulation of glucose metabolism. Expression of this gene is regulated by glucocorticoids, retinoic acid and insulin.
Product Categories/Family for anti-PDK4 antibody	Polyclonal; Drugs and Drug Metabolism; Various; Immunohistochemistry; Phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505693
NCBI GeneID	5166
NCBI Accession #	NP_002603
NCBI GenBank Nucleotide #	NM_002612
UniProt Accession #	Q16654
Molecular Weight	46kDa
NCBI Official Full Name	pyruvate dehydrogenase kinase, isozyme 4
NCBI Official Synonym Full Names	pyruvate dehydrogenase kinase 4
NCBI Official Symbol	PDK4
NCBI Protein Information	pyruvate dehydrogenase kinase, isozyme 4
UniProt Protein Name	[Pyruvate dehydrogenase [lipoamide]] 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.