

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

Rabbit Polyclonal to Human PDK4

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50967	Rabbit	Human, Mouse	Western Blot, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

PDK4; Polyclonal Antibody; Rabbit Polyclonal to Human PDK4; Anti-PDK4 Antibody (C-Terminus) IHC-plus; PDHK4; Human PDK4; anti-PDK4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	This PDK4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 382-410 amino acids from the C-terminal region of human PDK4.
Purity/Purification	Protein A purified
Form/Format	PBS, 0.09% sodium azide
Applicable Applications for anti-PDK4 antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen Species	PDK4 antibody was raised against Human
Epitope	aa382-410
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-PDK4 antibody	PDK4 belongs to the PDK/BCKDK protein kinase subfamily. PDK4 contributes to the regulation of glucose metabolism by inhibiting the mitochondrial pyruvate dehydrogenase complex by phosphorylating the E1 alpha subunit. PDK4 is upregulated in many tissues of the body during starvation.
Product Categories/Family for anti-PDK4 antibody	Family: Protein Kinase; Subfamily: PDK/BCKDK

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505693
NCBI GeneID	5166
NCBI Accession #	NP_002603.1
NCBI GenBank Nucleotide #	NM_002612.3

UniProt Accession #	Q16654
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; pyruvate dehydrogenase kinase, isoenzyme 4; pyruvate dehydrogenase, lipoamide, kinase isozyme 4, mitochondrial; [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 4, mitochondrial; [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 4, mitochondrial
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/pdk4-antibody-western-blot-immunofluorescence-immunohistochemistry-elisa/50967>