

Rabbit PDK3 Polyclonal Antibody | anti-PDK3 antibody

PDK3 Polyclonal Antibody

CATALOG # AAA280377	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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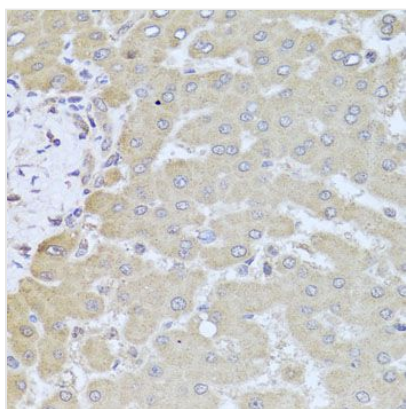
PRODUCT SYNONYMS

PDK3; Polyclonal Antibody; PDK3 Polyclonal Antibody; anti-PDK3 antibody

PRODUCT SPECIFICATIONS

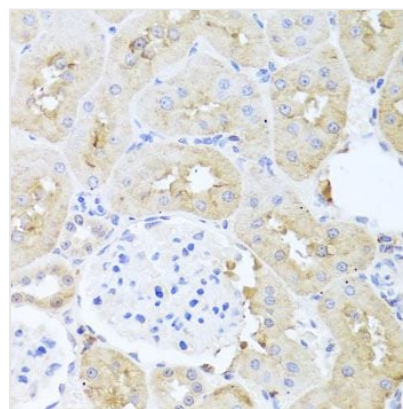
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence Length	415
Applicable Applications for anti-PDK3 antibody	WB (Western Blot)
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human PDK3
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



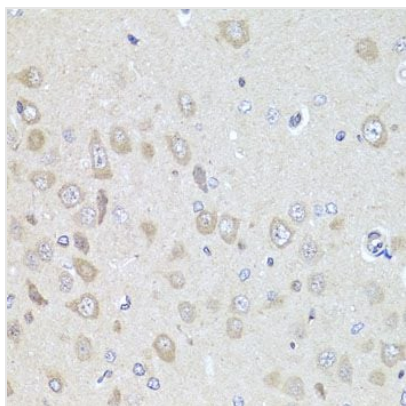
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver injury using PDK3 antibody at dilution of 1:100 (40x lens).



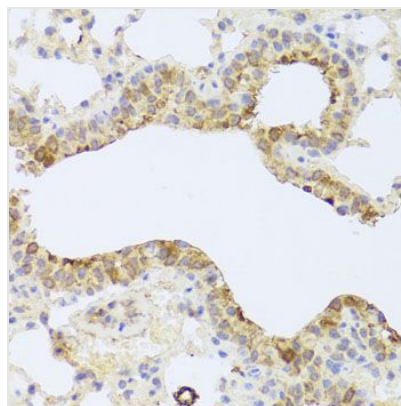
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat kidney using PDK3 antibody at dilution of 1:100 (40x lens).



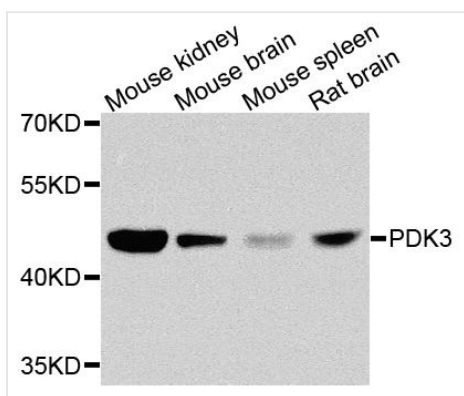
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat brain using PDK3 antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse lung using PDK3 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PDK3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-PDK3 antibody

The pyruvate dehydrogenase (PDH) complex is a nuclear-encoded mitochondrial multienzyme complex that catalyzes the overall conversion of pyruvate to acetyl-CoA and CO₂. It provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle, and thus is one of the major enzymes responsible for the regulation of glucose metabolism. The enzymatic activity of PDH is regulated by a phosphorylation/dephosphorylation cycle, and phosphorylation results in inactivation of PDH. The protein encoded by this gene is one of the three pyruvate dehydrogenase kinases that inhibits the PDH complex by phosphorylation of the E1 alpha subunit. This gene is predominantly expressed in the heart and skeletal muscles. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

NCBI AND UNIPROT INFORMATION

NCBI GI #	215422338
NCBI GeneID	5165
NCBI Accession #	NP_001135858.1
NCBI GenBank Nucleotide #	NM_001142386.2
UniProt Accession #	Q15120; B4DXG6
Molecular Weight	47kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pdk3-antibody-western-blot-elisa/280377>