



[Go to Product page](#)

Datasheet for ABIN2782501
anti-PDK3 antibody (N-Term)

3 Images

Overview

Quantity:	100 µL
Target:	PDK3
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Zebrafish (Danio rerio), Dog, Rabbit, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDK3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PDK3
Sequence:	RPSVGLVQSW YMQSFLELLE YENKSPEDPQ VLDNFLQVLI KVRNRHNDVV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 85%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 75%
Characteristics:	This is a rabbit polyclonal antibody against PDK3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PDK3
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Target Details

Alternative Name:	PDK3 (PDK3 Products)
Background:	<p>PDK3 belongs to the PDK/BCKDK protein kinase family. It contains 1 histidine kinase domain. PDK3 inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.</p> <p>Alias Symbols: -</p> <p>Protein Interaction Partner: APP, UBD, UBC, ICT1, EGFR, DLAT, PDHA1,</p> <p>Protein Size: 406</p>
Molecular Weight:	47 kDa
Gene ID:	5165
NCBI Accession:	NM_005391 , NP_005382
UniProt:	Q15120
Pathways:	PI3K-Akt Signaling , Carbohydrate Homeostasis , Regulation of Carbohydrate Metabolic Process , Warburg Effect

Application Details

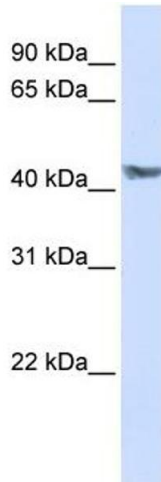
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 406 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

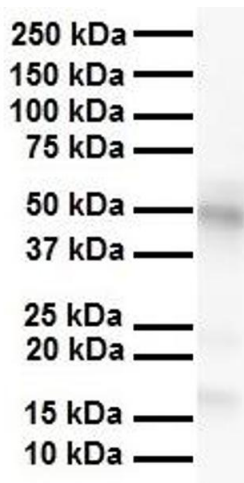
aliquots to prevent freeze-thaw cycles.

Images



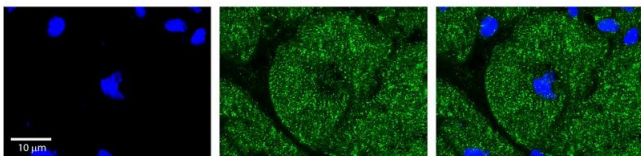
Western Blotting

Image 1. WB Suggested Anti-PDK3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Transfected 293T



Western Blotting

Image 2. WB Suggested Anti-PDK3 antibody Titration: 1 ug/mL Sample Type: Human heart



Immunohistochemistry

Image 3. Rabbit Anti-PDK3 Antibody Formalin Fixed Paraffin Embedded Tissue: Human Adult heart Observed Staining: Cytoplasmic Primary Antibody Concentration: 1:100 Secondary Antibody: Donkey anti-Rabbit-Cy2/3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 – 2.0 sec Protocol located in Reviews and Data.