

Datasheet for ABIN2777433
anti-PDK2 antibody (Middle Region)



[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	PDK2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Horse, Dog, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PDK2
Sequence:	ELFKNAMRAT VESHESSLIL PPIKVMVALG EEDLSIKMSD RGGGVPLRKI
Predicted Reactivity:	Cow: 77%, Dog: 92%, Guinea Pig: 92%, Horse: 92%, Human: 100%, Mouse: 92%, Rabbit: 92%, Rat: 92%, Zebrafish: 77%
Characteristics:	This is a rabbit polyclonal antibody against PDK2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PDK2
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Target Details

Alternative Name:	PDK2 (PDK2 Products)
Background:	<p>PDK2 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: PDHK2</p> <p>Protein Interaction Partner: VSIG4, DLAT, ISOC2, HIC2, SGK1, PDK2, PDK1, PDHA1, PDHX, AKT1, HTT,</p> <p>Protein Size: 407</p>
Molecular Weight:	44 kDa
Gene ID:	5164
NCBI Accession:	NM_002611 , NP_002602
UniProt:	Q15119
Pathways:	PI3K-Akt Signaling , RTK Signaling , Carbohydrate Homeostasis , Regulation of Carbohydrate Metabolic Process , Warburg Effect

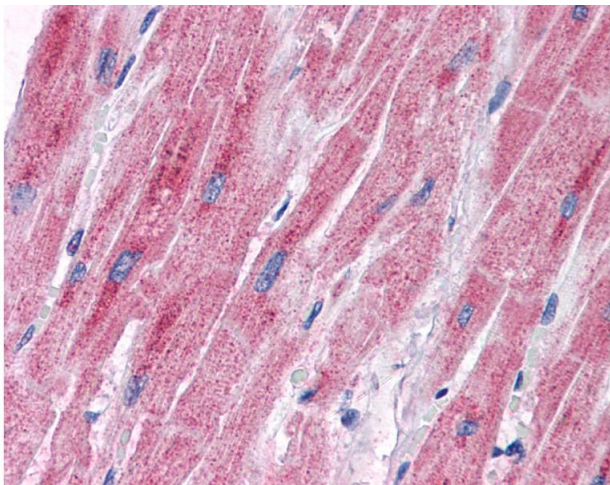
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 407 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

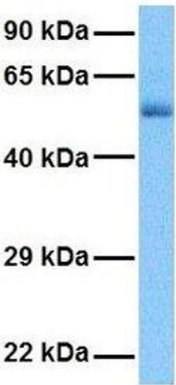
aliquots to prevent freeze-thaw cycles.



Immunohistochemistry

Image 1.

PDK2



Western Blotting

Image 2. Host: Rabbit Target Name: PDK2 Sample Tissue: Human Ovary Tumor Antibody Dilution: 1.0ug/ml



Western Blotting

Image 3. WB Suggested Anti-PDK2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: 293T cell lysate PDK2 is supported by BioGPS gene expression data to be expressed in HEK293T