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## Datasheet for ABIN3043600 anti-PDPK1 antibody (C-Term)

6 Images



#### Overview

Quantity:	100 µg
Target:	PDPK1
Binding Specificity:	AA 524-556, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDPK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for 3-phosphoinositide-dependent protein kinase 1(PDPK1)
	detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human PDPK1 (524-
	556aa YLMDPSGNAHKWCRKIQEVWRQRYQSHPDAAVQ), different from the related mouse and
	rat sequences by two amino acids.
Sequence:	YLMDPSGNAH KWCRKIQEVW RQRYQSHPDA AVQ
Isotype:	lgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for 3-phosphoinositide-dependent protein kinase 1(PDPK1)
	detection. Tested with WB, IHC-P in Human,Mouse,Rat.
	Cono Namo: 2-phosphoipositido dopondont protoin kipaso 1

Gene Name: 3-phosphoinositide dependent protein kinase 1

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## Product Details

Protein Name: 3-phosphoinositide-dependent protein Purification: Immunogen affinity purified. Target Details Target: PDPK1 Alternative Name: PDPK1 (PDPK1 Products) Background: 3-phosphoinositide dependent protein kinase-1, als humans is encoded by the PDPK1 gene. It is mapp which is crucial for the activation of AKT/PKB and SGK. An important role for PDPK1 is in the signalling factors and hormones including insulin signaling. N embryonic development, indicating that this enzym promoting signals necessary for normal mammalia Synonyms: 3 phosphoinositide dependent protein H dependent protein kinase 1 antibody/IPDK 1 antibod antibody/IMGC35290 antibody/OTTHUMP00000159 antibody/IPDFK2 antibody/IPDKB kinase antibody/IPBK antibody/IPDPK2 antibody/IProtein kinase antibody/IPKB antibody/IPDPK2 antibody/IProtein kinase antibody/IPKB	o known as PDPK1, is a protein which in ed to 16p13.3. PDPK1 is a master kinase, many other AGC kinases including PKC, S6K ig pathways activated by several growth Aice lacking PDPK1 die during early ie is critical for transmitting the growth-
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Pathway, Neurotrophin Signaling Pathway, Regulat	ion of Leukocyte Mediated Immunity,
Positive Regulation of Immune Effector Process, C	ell-Cell Junction Organization, Regulation of
Cell Size, Skeletal Muscle Fiber Development, CXCF	R4-mediated Signaling Events, Signaling
Events mediated by VEGFR1 and VEGFR2, VEGFR1	Specific Signals
Application Details	

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat
	IHC-P: Concentration: 0.5-1 $\mu$ g/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by
	Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the
	staining of formalin/paraffin sections.

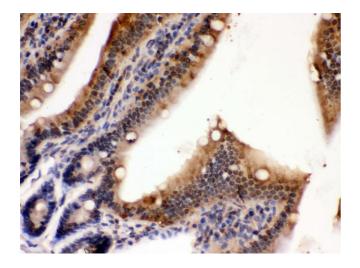
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Application Details	
	Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 $\mu$ g/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
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 freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

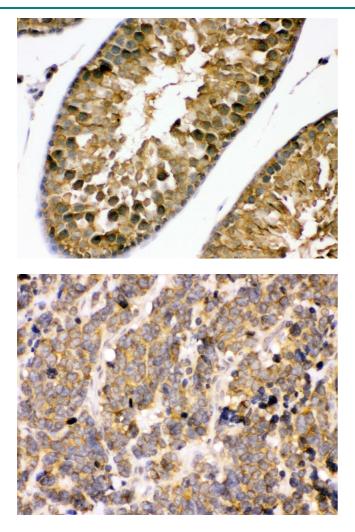
## Images



## Immunohistochemistry

**Image 1.** Anti- PDPK1 Picoband antibody, IHC(P) IHC(P): Mouse Intestine Tissue

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### Immunohistochemistry

Image 2. Anti- PDPK1 Picoband antibody, IHC(P) IHC(P): Rat

Testis Tissue

#### Immunohistochemistry

**Image 3.** Anti- PDPK1 Picoband antibody, IHC(P) IHC(P): Human Lung Cancer Tissue

Please check the product details page for more images. Overall 6 images are available for ABIN3043600.