Datasheet for ABIN3043600

anti-PDPK1 antibody (C-Term)

6 Images

Go to Product page

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:	IgG
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. Gene Name: 3-phosphoinositide dependent protein kinase 1

Product Details

	Protein Name: 3-phosphoinositide-dependent protein kinase 1
Purification:	Immunogen affinity purified.

Target Details

Target:	PDPK1
Alternative Name:	PDPK1 (PDPK1 Products)
Background:	3-phosphoinositide dependent protein kinase-1, also known as PDPK1, is a protein which in humans is encoded by the PDPK1 gene. It is mapped to 16p13.3. PDPK1 is a master kinase, which is crucial for the activation of AKT/PKB and many other AGC kinases including PKC, S6K, SGK. An important role for PDPK1 is in the signalling pathways activated by several growth factors and hormones including insulin signaling. Mice lacking PDPK1 die during early embryonic development, indicating that this enzyme is critical for transmitting the growth-promoting signals necessary for normal mammalian development. Synonyms: 3 phosphoinositide dependent protein kinase 1 antibody|3-phosphoinositide-dependent protein kinase 1 antibody|hPDK 1 antibody|hPDK1 antibody|MGC20087 antibody|MGC35290 antibody|OTTHUMP00000159109 antibody|OTTHUMP00000159110 antibody|OTTHUMP00000174525 antibody| PDK1 antibody|Pdpk1 antibody|PDPK1_HUMAN antibody|PDPK2 antibody|PkB kinase antibody|PkB kinase like gene 1 antibody|PkB like 1 antibody|PRO0461 antibody|Protein kinase antibody
Gene ID:	5170
UniProt:	O15530
Pathways:	PI3K-Akt Signaling, TCR Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Cell-Cell Junction Organization, Regulation of Cell Size, Skeletal Muscle Fiber Development, CXCR4-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 µg/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.

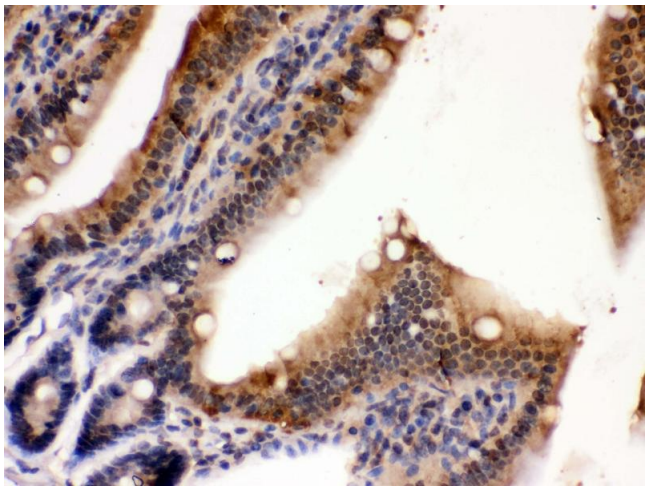
Application Details

	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 µg/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.

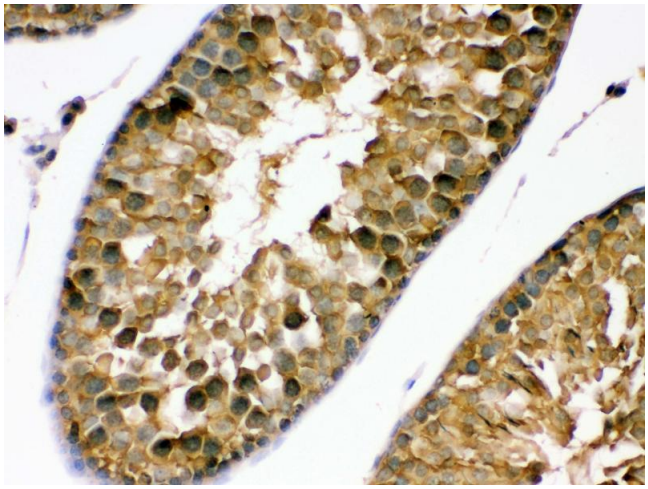
Images



Immunohistochemistry

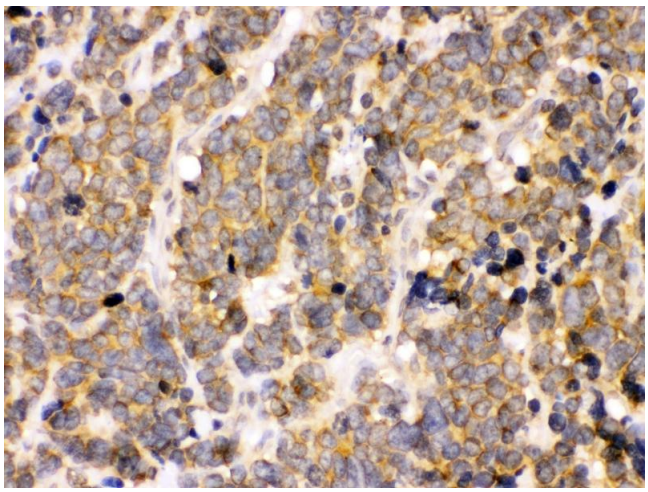
Image 1. Anti- PDPK1 Picoband antibody, IHC(P) IHC(P): Mouse Intestine Tissue

Images



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.