

Datasheet for ABIN391037  
**anti-PDK2 antibody (C-Term)**

2 Images

10 Publications

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## Overview

Quantity:	400 µL
Target:	PDK2
Binding Specificity:	AA 378-407, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDK2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This PDK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 378-407 amino acids from the C-terminal region of human PDK2.
Clone:	RB03037
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	PDK2
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## Target Details

Alternative Name:	PDK2 ( <a href="#">PDK2 Products</a> )
Background:	PDK2 inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.
Molecular Weight:	46154
Gene ID:	5164
NCBI Accession:	<a href="#">NP_001186827</a> , <a href="#">NP_001186828</a> , <a href="#">NP_002602</a>
UniProt:	<a href="#">Q15119</a>
Pathways:	<a href="#">PI3K-Akt Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Warburg Effect</a>

## Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.
Storage:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

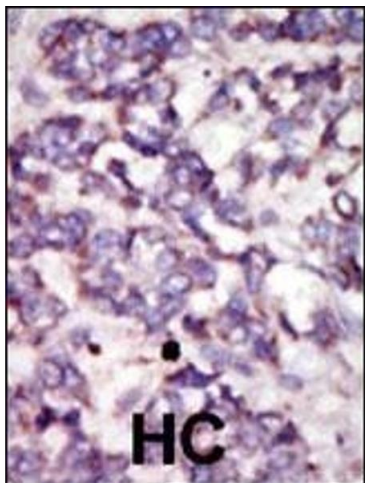
## Publications

Product cited in:	Humphrey, Newcomb, Yu, Hao, Yu, Krajewski, Du, Jhala: "Mixed lineage kinase-3 stabilizes and functionally cooperates with TRIBBLES-3 to compromise mitochondrial integrity in cytokine-induced death of pancreatic beta cells." in: <b>The Journal of biological chemistry</b> , Vol. 285, Issue 29, pp. 22426-36, (2010) ( <a href="#">PubMed</a> ).
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Nagao, Hayashi: "Mixed lineage kinase 2 and hippocalcin are localized in Lewy bodies of Parkinson's disease." in: **Journal of the neurological sciences**, Vol. 281, Issue 1-2, pp. 51-4, (2009) ([PubMed](#)).

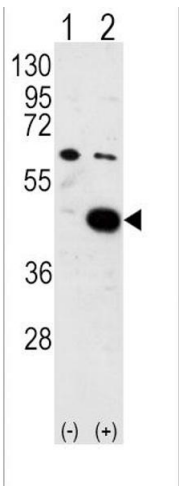
There are more publications referencing this product on: [Product page](#)

Images



Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

**Image 2.** Western blot analysis of PDK2 (arrow) using PDK2 Antibody (C-term) (ABIN391037 and ABIN2841203). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the PDK2 gene (Lane 2) (Origene Technologies).