

Datasheet for ABIN391036

anti-PDPK1 antibody (N-Term)[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	400 µL
Target:	PDPK1
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDPK1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This PDK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human PDK1.
Clone:	RB03036
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	PDPK1
Alternative Name:	PDK1 (PDPK1 Products)

Target Details

Background:	Pyruvate dehydrogenase (PDH) is a mitochondrial multienzyme complex that catalyzes the oxidative decarboxylation of pyruvate and is one of the major enzymes responsible for the regulation of homeostasis of carbohydrate fuels in mammals. The enzymatic activity is regulated by a phosphorylation/dephosphorylation cycle. Phosphorylation of PDH by a specific pyruvate dehydrogenase kinase (PDK) results in inactivation.
Molecular Weight:	49244
Gene ID:	5163
NCBI Accession:	NP_002601
UniProt:	Q15118
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: 1:1000
Restrictions:	For Research Use only

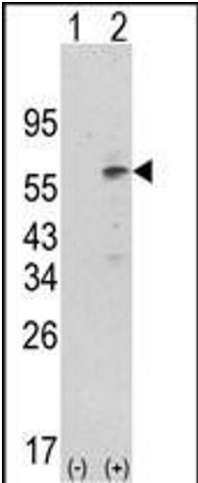
Handling

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: Xu, Han, Epstein, Liu: "Regulation of PDK mRNA by high fatty acid and glucose in pancreatic islets." in: **Biochemical and biophysical research communications**, Vol. 344, Issue 3, pp. 827-33, (2006) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of PDK1 (arrow) using rabbit polyclonal hPDK1-G14 (ABIN391036 and ABIN2841202). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the PDK1 gene (Lane 2) (Origene Technologies).