

Datasheet for ABIN391040
anti-PDK4 antibody (AA 250-277)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	PDK4
Binding Specificity:	AA 250-277
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDK4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PDK4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 250-277 amino acids from human PDK4.
Clone:	RB12836
Isotype:	IgG
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PDK4
Alternative Name:	PDK4 (PDK4 Products)
Background:	PDK4 inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1

Target Details

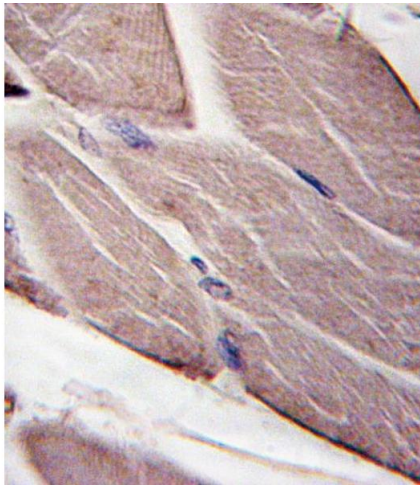
	alpha subunit, thus contributing to the regulation of glucose metabolism.
Molecular Weight:	46469
NCBI Accession:	NP_002603
UniProt:	Q16654
Pathways:	PI3K-Akt Signaling , Hedgehog Signaling , Carbohydrate Homeostasis , Regulation of Carbohydrate Metabolic Process , Warburg Effect

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

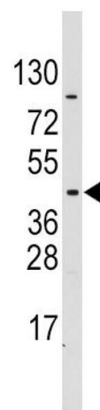
Handling

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.
Expiry Date:	6 months



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with PDK4-, 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.



Western Blotting

Image 2. Western blot analysis of PDK4 Antibody in CEM cell line lysates (35 µg/lane). PDK4 (arrow) was detected using the purified Pab.