



Datasheet for ABIN652286

anti-PDK3 antibody



[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	400 µL
Target:	PDK3
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDK3 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This PDK3 antibody is generated from rabbits immunized with human PDK3 recombinant protein.
Clone:	RB23090
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PDK3
Alternative Name:	PDK3 (PDK3 Products)
Background:	PDK3 inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.

Target Details

Molecular Weight:	46939
Gene ID:	5165
NCBI Accession:	NP_001135858 , NP_005382
UniProt:	Q15120
Pathways:	PI3K-Akt Signaling , Carbohydrate Homeostasis , Regulation of Carbohydrate Metabolic Process , Warburg Effect

Application Details

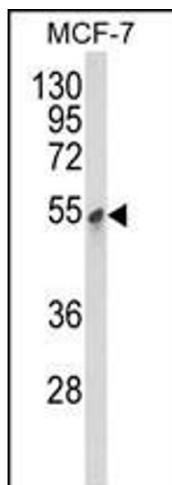
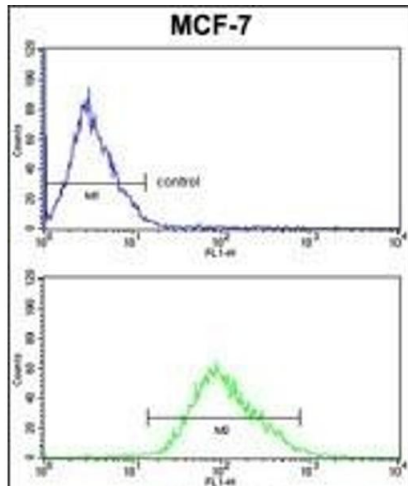
Application Notes:	WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

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 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).
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Flow Cytometry

Image 1. PDK3 Antibody (ABIN652286 and ABIN2841205) FC analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of PDK3 Antibody (ABIN652286 and ABIN2841205) in MCF-7 cell line lysates (35 µg/lane). PDK3 (arrow) was detected using the purified Pab.