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Datasheet for ABIN562161

## anti-PDK3 antibody (AA 174-263)

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### Overview

Quantity:	100 µg
Target:	PDK3
Binding Specificity:	AA 174-263
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PDK3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant PDK3.
Immunogen:	PDK3 (AAH15948, 174 a.a. ~ 263 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	GDTNPVHPKH IGSIDPTCNV ADVVKDAYET AKMLCEQYYL VAPELEVEEF NAKAPDKPIQ VVYVPSHLFH MLFELFKNSM RATVELYEDR
Clone:	2B11
Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

## Target Details

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Target:	PDK3
Alternative Name:	PDK3 ( <a href="#">PDK3 Products</a> )
Background:	Full Gene Name: pyruvate dehydrogenase kinase, isozyme 3 Synonyms:
Gene ID:	5165
Pathways:	<a href="#">PI3K-Akt Signaling</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Warburg Effect</a>

## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

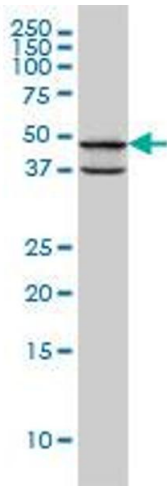
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Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Publications

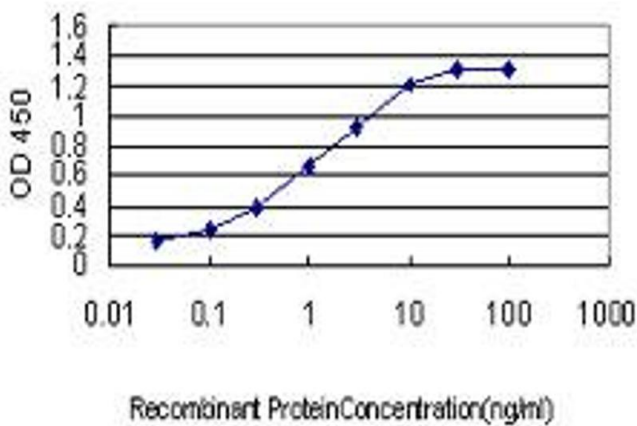
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Product cited in:	<p>Hwang, Wu, Harris: "Additive effects of clofibric acid and pyruvate dehydrogenase kinase isoenzyme 4 (PDK4) deficiency on hepatic steatosis in mice fed a high saturated fat diet." in: <b>The FEBS journal</b>, Vol. 279, Issue 10, pp. 1883-93, (2012) (<a href="#">PubMed</a>).</p> <p>Jeoung, Harris: "Pyruvate dehydrogenase kinase-4 deficiency lowers blood glucose and improves glucose tolerance in diet-induced obese mice." in: <b>American journal of physiology. Endocrinology and metabolism</b>, Vol. 295, Issue 1, pp. E46-54, (2008) (<a href="#">PubMed</a>).</p> <p>Lu, Lin, Chen, Lai, Tsai: "Induction of pyruvate dehydrogenase kinase-3 by hypoxia-inducible factor-1 promotes metabolic switch and drug resistance." in: <b>The Journal of biological chemistry</b>, Vol. 283, Issue 42, pp. 28106-14, (2008) (<a href="#">PubMed</a>).</p>
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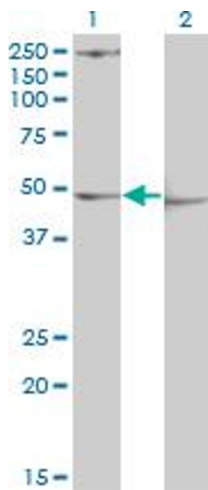
### Western Blotting

**Image 1.** PDK3 monoclonal antibody (M01), clone 2B11 Western Blot analysis of PDK3 expression in MCF-7 .



### ELISA

**Image 2.** Detection limit for recombinant GST tagged PDK3 is approximately 0.03ng/ml as a capture antibody.



### Western Blotting

**Image 3.** Western Blot analysis of PDK3 expression in transfected 293T cell line by PDK3 monoclonal antibody (M01), clone 2B11.

Lane 1: PDK3 transfected lysate(46.9 KDa).

Lane 2: Non-transfected lysate.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN562161.