



[Go to Product page](#)

Datasheet for ABIN5542259  
**anti-PDPK1 antibody (AA 457-556)**

7 Images

### Overview

Quantity:	0.1 mg
Target:	PDPK1
Binding Specificity:	AA 457-556
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS)

### Product Details

Immunogen:	Purified recombinant fragment of human PDPK1 (AA: 457-556) expressed in E. coli.
Clone:	7E4G11
Isotype:	IgG1
Purification:	purified

### Target Details

Target:	PDPK1
Alternative Name:	PDPK1 ( <a href="#">PDPK1 Products</a> )
Background:	Description: Phosphoinositide-dependent kinase 1 (PDPK1, PDK1) is a serine/threonine protein kinase integral to the function of the PI 3-K/Akt signaling pathway. PDK1 and mTORC2 both phosphorylate and activate PKB/Akt, ensuring a cellular response to stimuli such as growth

## Target Details

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factors and insulin signaling. Akt is the main effector of PDK1.,

Aliases: PDK1, PDPK2, PDPK2P, PR00461

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Molecular Weight: 63.2 kDa

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Gene ID: 5170

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HGNC: 5170

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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](#)

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## Application Details

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Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:50 - 1:200, FCM: 1:200 - 1:400

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: Purified antibody in PBS with 0.05 % sodium azide

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

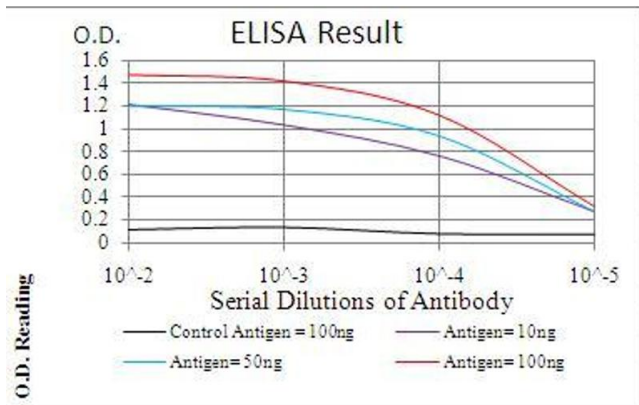
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Storage: 4 °C/-20 °C

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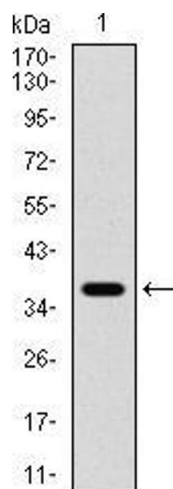
Storage Comment: 4°C, -20°C for long term storage

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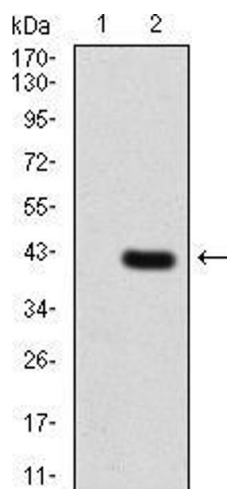
### ELISA

**Image 1.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



### Western Blotting

**Image 2.** Western blot analysis using PDPK1 mAb against human PDPK1 (AA: 457-556) recombinant protein. (Expected MW is 37.9 kDa)



### Western Blotting

**Image 3.** Western blot analysis using PDPK1 mAb against HEK293 (1) and PDPK1 (AA: 457-556)-hlgGFc transfected HEK293 (2) cell lysate.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN5542259.