

Datasheet for ABIN6923128
anti-PDK4 antibody (C-Term)[Go to Product page](#)

4 Images

3 Publications

Overview

| | |
|----------------------|---|
| Quantity: | 200 µL |
| Target: | PDK4 |
| Binding Specificity: | C-Term |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PDK4 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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|-------------------|--|
| Purpose: | Rabbit polyclonal antibody raised against synthetic peptide of PDK4. |
| Immunogen: | A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human PDK4. |
| Cross-Reactivity: | Human, Mouse |

Target Details

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|-------------------|--|
| Target: | PDK4 |
| Alternative Name: | PDK4 (PDK4 Products) |
| Gene ID: | 5166 |
| Pathways: | PI3K-Akt Signaling , Hedgehog Signaling , Carbohydrate Homeostasis , Regulation of Carbohydrate Metabolic Process , Warburg Effect |

Application Details

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|--------------------|---|
| Application Notes: | ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user. |
|--------------------|---|

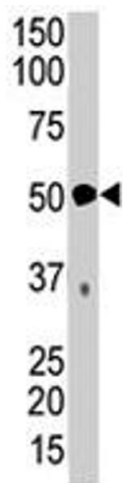
| | |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

Handling

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|--------------------|--|
| Format: | Liquid |
| Buffer: | In PBS (0.09 % 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: | Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing. |

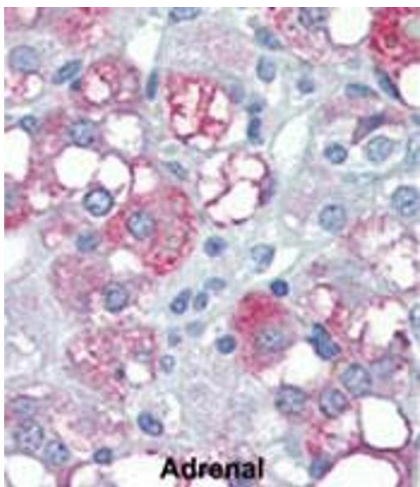
Publications

| | |
|-------------------|--|
| Product cited in: | Nahlé, Hsieh, Pietka, Coburn, Grimaldi, Zhang, Das, Abumrad: "CD36-dependent regulation of muscle FoxO1 and PDK4 in the PPAR delta/beta-mediated adaptation to metabolic stress." in: The Journal of biological chemistry , Vol. 283, Issue 21, pp. 14317-26, (2008) (PubMed). Hsieh, Das, Sambandam, Zhang, Nahlé: "Regulation of the PDK4 isozyme by the Rb-E2F1 complex." in: The Journal of biological chemistry , Vol. 283, Issue 41, pp. 27410-7, (2008) (PubMed). White, Coulter, Miles, Stephens: "The STAT5A-mediated induction of pyruvate dehydrogenase kinase 4 expression by prolactin or growth hormone in adipocytes." in: Diabetes , Vol. 56, Issue 6, pp. 1623-9, (2007) (PubMed). |
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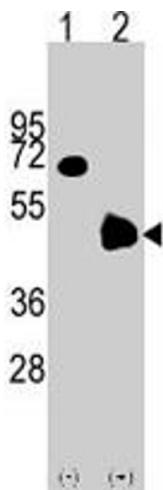
Western Blotting

Image 1. The PDK4 polyclonal antibody is used in Western blot to detect PDK4 in mouse skeletal muscle tissue lysate .



Immunohistochemistry

Image 2. Formalin-fixed and paraffin-embedded human adrenal reacted with PDK4 polyclonal antibody , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western Blotting

Image 3. Western blot analysis of PDK4 (arrow) using PDK4 polyclonal antibody . 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PDK4 gene (Lane 2) (Origene Technologies).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6923128.