



[Go to Product page](#)

Datasheet for ABIN562163

## anti-PDK4 antibody (AA 1-411)

1 Image

3 Publications

### Overview

|                      |                                     |
|----------------------|-------------------------------------|
| Quantity:            | 50 µL                               |
| Target:              | PDK4                                |
| Binding Specificity: | AA 1-411                            |
| Reactivity:          | Human                               |
| Host:                | Mouse                               |
| Clonality:           | Polyclonal                          |
| Conjugate:           | This PDK4 antibody is un-conjugated |
| Application:         | Western Blotting (WB), ELISA        |

### Product Details

|                   |  |
|-------------------|--|
| Purpose:          | Mouse polyclonal antibody raised against a full-length recombinant PDK4.   |
| Immunogen:        | PDK4 (AAH40239.1, 1 a.a. ~ 411 a.a) full-length recombinant protein with GST tag.  |
| Sequence:         | MKAARFVLRG AGSLNGAGLV PREVEHFSRY SPSPLSMKQL LDFGSENACE RTSFAFLRQE<br>LPVRLANILK EIDILPTQLV NTSSVQLVKS WYIQSLMDLV EFHEKSPDDQ KALSDFVDTL<br>IKVRNRHHNV VPTMAQGIIE YKDACTVDPV TNQNLQYFLD RFYMNRISTR MLMNQHILIF<br>SDSQTGNPSH IGSIDPNCDV VAVVQDAFEC SRMLCDQYYL SSELKLTQV NGKFPDQPIH<br>IVYVPSHLHH MLFELFKNAM RATVEHQENQ PSLTPIEVIV VLGKEDTIK ISDRGGGVPL<br>RIIDRLFSYT YSTAPTPVMD NSRNAPLAGF GYGLPISRLY AKYFQGDNL YLSGGYGTD<br>IYKALSSE SIEKLPVFNK SAFKHYQMSS EADDWCIPSR EPKNLAKEVA M |
| Cross-Reactivity: | Human  |
| Characteristics:  | Antibody Reactive Against Recombinant Protein.   |

## Target Details

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Target: PDK4

Alternative Name: PDK4 ([PDK4 Products](#))

Background: Full Gene Name: pyruvate dehydrogenase kinase, isozyme 4  
Synonyms: FLJ40832

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: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: 50 % glycerol

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.

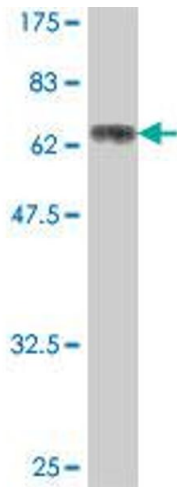
## Publications

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Product cited in: Kase, Nikoli?, Bakke, Bogen, Aas, Thoresen, Rustan: "Remodeling of oxidative energy metabolism by galactose improves glucose handling and metabolic switching in human skeletal muscle cells." in: **PLoS ONE**, Vol. 8, Issue 4, pp. e59972, (2013) ([PubMed](#)).

Stenson, Rydén, Steffensen, Wåhlén, Pettersson, Jocken, Arner, Laurencikiene: "Activation of liver X receptor regulates substrate oxidation in white adipocytes." in: **Endocrinology**, Vol. 150, Issue 9, pp. 4104-13, (2009) ([PubMed](#)).

Ribet, Montastier, Valle, Bezaire, Mazzucotelli, Mairal, Viguerie, Langin: "Peroxisome proliferator-activated receptor-alpha control of lipid and glucose metabolism in human white adipocytes." in: **Endocrinology**, Vol. 151, Issue 1, pp. 123-33, (2009) ([PubMed](#)).



### Western Blotting

**Image 1.** Western Blot detection against Immunogen (71.32 KDa) .