

# Product Datasheet

## PDK4 Antibody H00005166-A02

Unit Size: 0.05 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00005166-A02**

## PDK4 Antibody

Product Information	
Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera with 50% Glycerol
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	5166
Gene Symbol	PDK4
Species	Human
Specificity/Sensitivity	PDK4 - pyruvate dehydrogenase kinase, isoenzyme 4
Immunogen	PDK4 (AAH40239.1, 1 a.a. - 411 a.a.) full-length recombinant protein with GST tag. MKAARFVLR SAGSLNGAGLVPREVEHFSRYSPSPLSMKQLLDFGSENACERT SFAFLRQELPVRLANILKEIDILPTQLVNTSSVQLVKSWEYIQSLMDLVEFHEKSP DDQKALSDFVDTLIKVRNRHHNVPTMAQGGIIEYKDACTVDPVTNQNQLQYFLDR FYMNRISTRMLMNQHILIFSDSQTGPNPSHIGSIDPNCDVVAVVQDAFECRMLC DQYYLSSPELKLTVNGKFPDQPIHIVYVPSHLHHMLFELFKNAMRATVEHQEN QPSLTPIEVIVVLGKEDLTIKISDRGGGVPLRIIDRLFSYTYSTAPTPVMDNSRNA PLAGFGYGLPISRLYAKYFQGDNLNLSLGSYGTDIIYLKALSSESIEKLPVFNKS AFKHYSMSSEADDWCIPSREPKNLAKEVAM
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot, ELISA
Application Notes	The quality control of this antibody is limited to WB on the immunizing protein. It has been used for ELISA. Abnova's recommended working dilutions for western analysis are as follows: 1:500 dilution for ascites 1:1000 for purified Ig 1:500

## Publications

Laurens C, Badin P, Louche K et al. G0/G1 Switch Gene 2 controls adipose triglyceride lipase activity and lipid metabolism in skeletal muscle. *Mol Metab* 2016-04-22 [PMID: 27408777]

Barquissau V, Beuzelin D, Pisani DF et al. White-to-brite conversion in human adipocytes promotes metabolic reprogramming towards fatty acid anabolic and catabolic pathways. *Mol Metab* 2016-03-18 [PMID: 27110487]

Kase ET, Nikolic N, Bakke SS et al. Remodeling of oxidative energy metabolism by galactose improves glucose handling and metabolic switching in human skeletal muscle cells. *PLoS One*. 2013-01-01 [PMID: 23560061] (Human)

Ribet C, Montastier E, Valle C et al. Peroxisome Proliferator-Activated Receptor- $\alpha$  Control of Lipid and Glucose Metabolism in Human White Adipocytes. *Endocrinology* 2009-11-01 [PMID: 19887568]

Stenson BM, Ryden M, Steffensen KR et al. Activation of liver X receptor (LXR) regulates substrate oxidation in white adipocytes. *Endocrinology*. 2009-06-25 [PMID: 19556420]





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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