

Product Datasheet

PDK3 Antibody (2B11) - Azide and BSA Free H00005165-M01

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Publications: 6

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/H00005165-M01

Updated 2/21/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/H00005165-M01



H00005165-M01

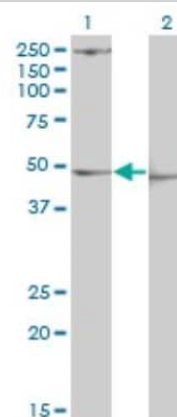
PDK3 Antibody (2B11) - Azide and BSA Free

| Product Information | |
|-----------------------------|--|
| Unit Size | 0.1 mg |
| Concentration | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | 2B11 |
| Preservative | No Preservative |
| Isotype | IgG2a Kappa |
| Purity | IgG purified |
| Buffer | In 1x PBS, pH 7.4 |
| Product Description | |
| Description | Quality control test: Antibody Reactive Against Recombinant Protein. |
| Host | Mouse |
| Gene ID | 5165 |
| Gene Symbol | PDK3 |
| Species | Human, Mouse |
| Reactivity Notes | Mouse reactivity reported in scientific literature (PMID: 22429297). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information. |
| Specificity/Sensitivity | PDK3 - pyruvate dehydrogenase kinase, isozyme 3 |
| Immunogen | PDK3 (AAH15948, 174 a.a. ~ 263 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. GDTNPVHPKHIGSIDPTCNVADVVKDAYETAKMLCEQYYLVAPELEVEEFNAKA PDKPIQVVYVPSHLFHLFELFKNSMRATVELYEDR |
| 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 1:500, ELISA |
| Application Notes | Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for ELISA. |

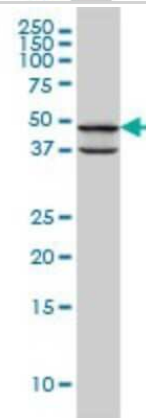


Images

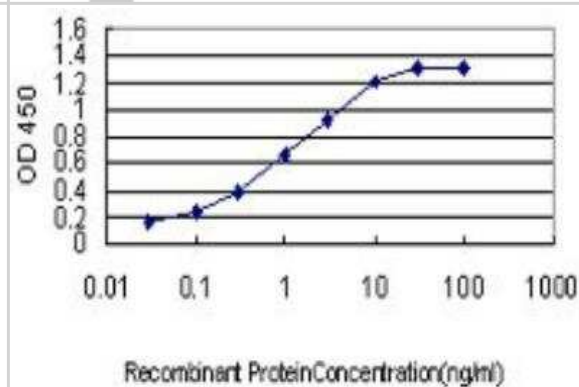
Western Blot: PDK3 Antibody (2B11) [H00005165-M01] - Analysis of PDK3 expression in transfected 293T cell line by PDK3 monoclonal antibody (M01), clone 2B11. Lane 1: PDK3 transfected lysate(46.9 KDa). Lane 2: Non-transfected lysate.



Western Blot: PDK3 Antibody (2B11) [H00005165-M01] - PDK3 monoclonal antibody (M01), clone 2B11 Analysis of PDK3 expression in MCF-7.



ELISA: PDK3 Antibody (2B11) [H00005165-M01] - Detection limit for recombinant GST tagged PDK3 is approximately 0.03ng/ml as a capture antibody.



Publications

Na YR, Jung D, Song J et al. Pyruvate dehydrogenase kinase is a negative regulator of interleukin-10 production in macrophages J Mol Cell Biol 2020-01-03 [PMID: 31900478]

Ren L, Zhang W, Zhang J et al. Influenza A Virus (H1N1) Infection Induces Glycolysis to Facilitate Viral Replication Virologica Sinica 2021-09-14 [PMID: 34519916] (WB, Mouse, Human)

Hwang B, Wu P, Harris RA. Additive effects of clofibrilic acid and pyruvate dehydrogenase kinase isoenzyme 4 (PDK4) deficiency on hepatic steatosis in mice fed a high saturated fat diet. FEBS J. 2012-05-01 [PMID: 22429297] (WB, Mouse)

Acin-Perez R, Hoyos B, Zhao F et al. Control of oxidative phosphorylation by vitamin A illuminates a fundamental role in mitochondrial energy homeostasis. FASEB J :fj.09-142281. 2009-01-01 [PMID: 19812372]

Lu C-W, Lin S-C, Chen K-F et al. Induction of Pyruvate Dehydrogenase Kinase-3 by Hypoxia-inducible Factor-1 Promotes Metabolic Switch Drug Resistance. J Biol Chem;283(42):28106-28114. 2008-01-01 [PMID: 18718909]

1 Jeoung NH, Harris RA. Pyruvate Dehydrogenase Kinase 4 (PDK4) Deficiency Lowers Blood Glucose Improves Glucose Tolerance in Diet-Induced Obese Mice. Am J Physiol Endocrinol Metab;295(1):E46-54. 2008-07-01 [PMID: 18430968]



**Novus Biologicals USA**

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to H00005165-M01

| | |
|------------------|---|
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB720-B | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-96981-0.5mg | Mouse IgG2a Kappa Isotype Control (M2AK) |
| NBP2-13745PEP | PDK3 Recombinant Protein Antigen |

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/H00005165-M01

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

