# antibodies - online.com







# anti-PDK2 antibody (C-Term)

100 μg





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Quantity:

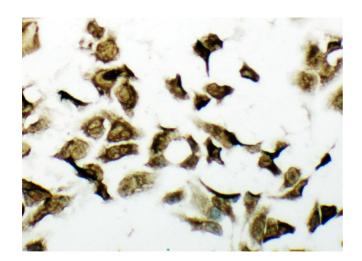
| Target:                     | PDK2   |  |
|-----------------------------|--|--|
| Binding Specificity:        | AA 379-392, C-Term   |  |
| Reactivity:                 | Human, Rat   |  |
| Host:                       | Rabbit   |  |
| Clonality:                  | Polyclonal   |  |
| Conjugate:                  | This PDK2 antibody is un-conjugated  |  |
| Application:                | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)  |  |
| Product Details             |  |  |
| Purpose:                    | Rabbit IgG polyclonal antibody for [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 2, mitochondrial(PDK2) detection. Tested with WB, IHC-P, ICC in Human, Mouse, Rat.  |  |
| Immunogen:                  | A synthetic peptide corresponding to a sequence at the C-terminus of human PDK2(379-392aa WRHYQTIQEAGDWC), identical to the related rat and mouse sequences.                         |  |
| Sequence:                   | WRHYQTIQEA GDWC  |  |
| Isotype:                    | IgG  |  |
| Cross-Reactivity (Details): | Predicted Cross Reactivity: mouse  No cross reactivity with other proteins.  Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities. |  |
|                             |  |  |

# **Product Details** Rabbit IgG polyclonal antibody for [Pyruvate dehydrogenase (acetyl-transferring)] kinase Characteristics: isozyme 2, mitochondrial(PDK2) detection. Tested with WB, IHC-P, ICC in Human, Mouse, Rat. Gene Name: pyruvate dehydrogenase kinase, isozyme 2 Protein Name: [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 2, mitochondrial Purification: Immunogen affinity purified. **Target Details** PDK2 Target: Alternative Name: PDK2 (PDK2 Products) Background: PDK2(Pyruvate Dehydrogenase Kinase Isoenzyme 2), is an enzyme that in humans is encoded by the PDK2 gene. To find human PDKs, Gudi et al.(1995) used oligonucleotide primers to screen a human liver cDNA library by PCR. The human PDK2 gene encodes a protein with a predicted molecular mass of 46,181 Da that shares 96 % identity with that of the rat PDK2 gene. Northern blot analysis showed that the PDK2 message was found in many tissues, with the highest level in heart and skeletal muscle, intermediate levels in brain, kidney, pancreas and liver, and low levels in placenta and lung. Synonyms: [Pyruvate dehydrogenase[lipoamide]] kinase isozyme 2 antibody|mitochondrial antibody|PDHK2 antibody|PDK2 antibody|PDK2\_HUMAN antibody|Pyruvate dehydrogenase kinase isoform 2 antibody|Pyruvate dehydrogenase kinase, isozyme 2 antibody|Pyruvate dehydrogenase lipoamide kinase isozyme 2, mitochondrial antibody UniProt: Q15119 PI3K-Akt Signaling, RTK Signaling, Carbohydrate Homeostasis, Regulation of Carbohydrate Pathways: Metabolic Process, Warburg Effect **Application Details Application Notes:** WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse IHC-P: Concentration: 0.5-1 μg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human, Predicted Species: Mouse, Rat Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be

fit for the product based on sequence similarities. Other applications have not been tested.

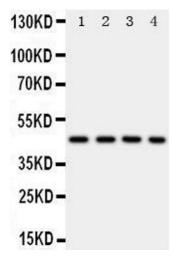
## **Application Details**

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|---------------------|---|--|
|                     | Optimal dilutions should be determined by end users.  |  |
| Comment:            | Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.   |  |
| Restrictions:       | For Research Use only   |  |
| Handling            |   |  |
| Format:             | Lyophilized   |  |
| Reconstitution:     | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.  |  |
| Concentration:      | 500 μg/mL   |  |
| Buffer:             | Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.   |  |
| Preservative:       | Thimerosal (Merthiolate), Sodium azide  |  |
| Precaution of Use:  | This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.                                |  |
| Handling Advice:    | Avoid repeated freezing and thawing.  |  |
| Storage:            | 4 °C/-20 °C   |  |
| Storage Comment:    | At -20°C for one year. After reconstitution, at 4°C for one month.  It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |  |
| Expiry Date:        | ate: 12 months  |  |



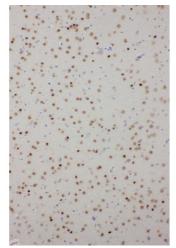
## **Immunohistochemistry**

Image 1. Anti-PDK2 antibody, ICC ICC: HELA Cell



## **Western Blotting**

Image 2. Anti-PDK2 antibody, Western blotting Lane 1: Rat Heart Tissue Lysate Lane 2: HELA Cell Lysate Lane 3: SW620 Cell Lysate Lane 4: MCF-7 Cell Lysate



## **Immunohistochemistry**

**Image 3.** Anti-PDK2 antibody, IHC(P) IHC(P): Rat Brain Tissue

Please check the product details page for more images. Overall 4 images are available for ABIN3044044.