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Datasheet for ABIN3032416
anti-PDK2 antibody (C-Term)

6 Images

Overview

Quantity:	100 µg
Target:	PDK2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, 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

Immunogen:	An amino acid sequence from the C-terminus of human PDK2 (WRHYQTIQEAGDWC) was used as the immunogen for this PDK2 antibody (100% homologous in human, mouse and rat).
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	PDK2
Alternative Name:	PDK2 (PDK2 Products)
Background:	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

Target Details

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 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.

UniProt: [Q15119](#)

Pathways: [PI3K-Akt Signaling](#), [RTK Signaling](#), [Carbohydrate Homeostasis](#), [Regulation of Carbohydrate Metabolic Process](#), [Warburg Effect](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the PDK2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,Immunocytochemistry: 0.5-1 µg/mL

Restrictions: For Research Use only

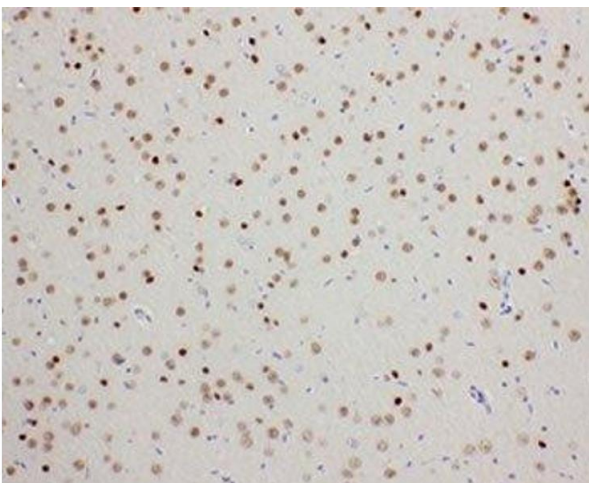
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

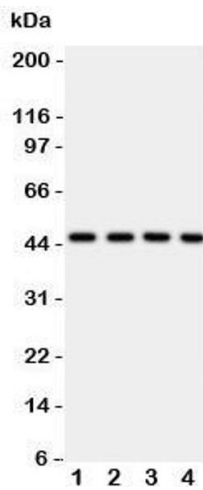
Storage Comment: After reconstitution, the PDK2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



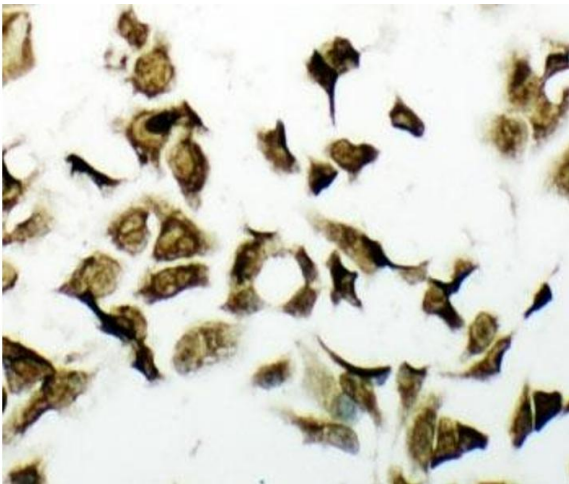
Immunohistochemistry

Image 1. IHC-P: PDK2 antibody testing of rat brain tissue



Western Blotting

Image 2. Western blot testing of PDK2 antibody on Lane 1: rat heart; 2: HeLa; 3: SW620; 4: MCF-7 cell lysate. Expected/observed size ~46KD



Immunocytochemistry

Image 3. ICC testing of PDK2 antibody and HeLa cells

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3032416.