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Datasheet for ABIN657996
anti-PDK2 antibody (N-Term)

4 Images

Overview

| | |
|----------------------|------------------------------------------------------------------------------------|
| Quantity: | 400 µL |
| Target: | PDK2 |
| Binding Specificity: | AA 78-107, N-Term |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

| | |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen: | This Mouse Pdk2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 78-107 amino acids from the N-terminal region of mouse Pdk2. |
| Clone: | RB34663 |
| Isotype: | Ig Fraction |
| Predicted Reactivity: | Rat |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

| | |
|-------------------|---------------------------------------------------------------------------------------------|
| Target: | PDK2 |
| Alternative Name: | Pdk2 (PDK2 Products) |
| Background: | Pdk2 inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 |

Target Details

alpha subunit, thus contributing to the regulation of glucose metabolism.

Molecular Weight: 46041

Gene ID: 18604

NCBI Accession: [NP_598428](#)

UniProt: [Q9JK42](#)

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

Application Details

Application Notes: WB: 1:1000. WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

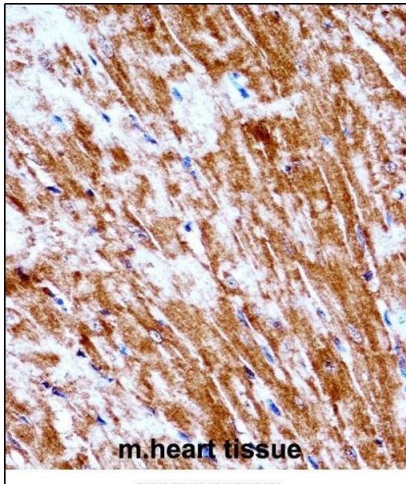
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

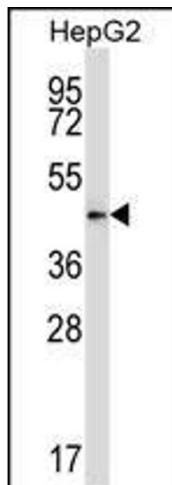
Storage Comment: Mouse Pdk2 Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months



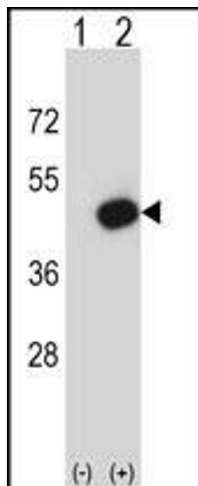
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Mouse Pdk2 Antibody (N-term) ((ABIN657996 and ABIN2846942))immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of Mouse Pdk2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. Mouse Pdk2 Antibody (N-term) (ABIN657996 and ABIN2846942) western blot analysis in HepG2 cell line lysates (35 µg/lane).This demonstrates the Pdk2 antibody detected the Pdk2 protein (arrow).



Western Blotting

Image 3. Western blot analysis of Pdk2 (arrow) using rabbit polyclonal Mouse Pdk2 Antibody (N-term) (ABIN657996 and ABIN2846942). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the Pdk2 gene.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN657996.