

# PDK4 Rabbit Polyclonal Antibody



CAB13337

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## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

46KDa

### Calculated MW:

46kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Protein Background

This gene is a member of the PDK/BCKDK protein kinase family and encodes a mitochondrial protein with a histidine kinase domain. This protein is located in the matrix of the mitochondria and inhibits the pyruvate dehydrogenase complex by phosphorylating one of its subunits, thereby contributing to the regulation of glucose metabolism. Expression of this gene is regulated by glucocorticoids, retinoic acid and insulin.

## Immunogen information

### Gene ID:

5166

### Uniprot

Q16654

### Synonyms:

PDK4

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

### Immunogen:

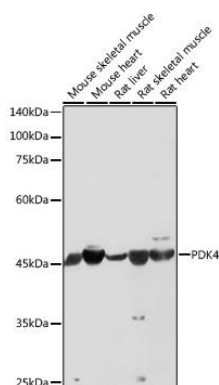
Recombinant fusion protein containing a sequence corresponding to amino acids 102-411 of human PDK4 (NP\_002603.1).

### Storage:

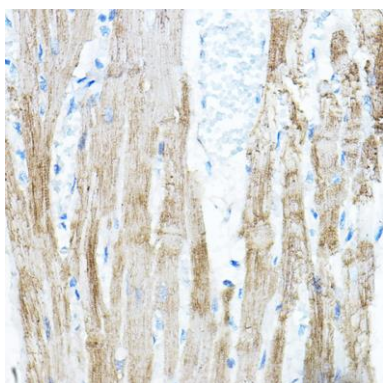
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

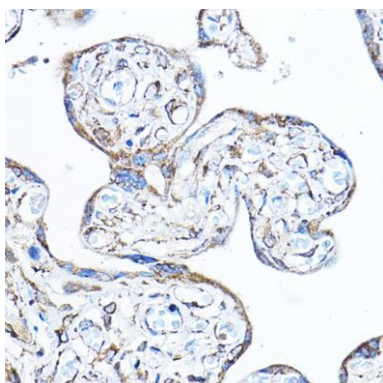
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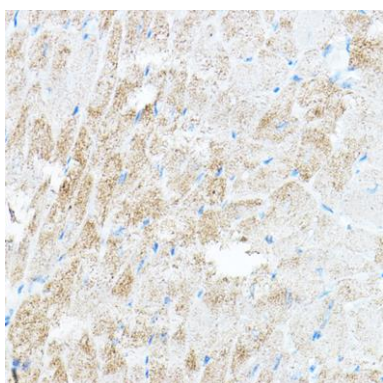
Western blot analysis of extracts of various cell lines, using PDK4 antibody (CAB13337) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.



Immunohistochemistry of paraffin-embedded rat heart using PDK4 Rabbit pAb (CAB13337) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human placenta using PDK4 Rabbit pAb (CAB13337) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse heart using PDK4 Rabbit pAb (CAB13337) at dilution of 1:100 (40x lens).