

## Rabbit anti-Human, Mouse PDK4 Polyclonal Antibody | anti-PDK4 antibody

PDK4 antibody

|                               |                       |                                   |                                                           |
|-------------------------------|-----------------------|-----------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA305225</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------|-----------------------------------------------------------|

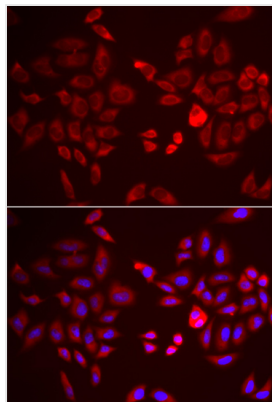
### PRODUCT SYNONYMS

PDK4; Polyclonal Antibody; PDK4 antibody; pyruvate dehydrogenase kinase; isozyme 4; anti-PDK4 antibody

### PRODUCT SPECIFICATIONS

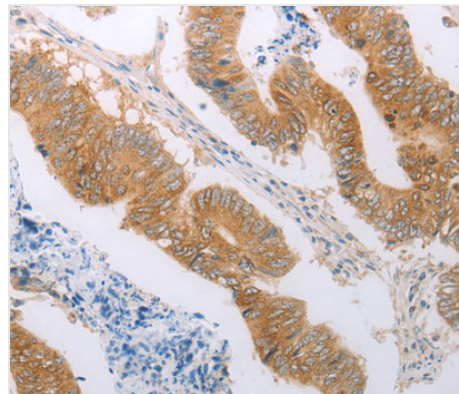
|                                                |                                                                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                              |
| Reactivity                                     | Human, Mouse                                                                                                                        |
| Clonality                                      | Polyclonal                                                                                                                          |
| Specificity                                    | The antibody detects endogenous level of total PDK4 antibody.                                                                       |
| Purity/Purification                            | Antibodies were purified by affinity purification using immunogen.                                                                  |
| Form/Format                                    | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                  | 1.0 mg/ml (varies by lot)                                                                                                           |
| Sequence Length                                | 411                                                                                                                                 |
| Applicable Applications for anti-PDK4 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                       |
| Immunogen Type                                 | Peptide                                                                                                                             |
| Immunogen Description                          | A synthetic peptide of human PDK4.                                                                                                  |
| Target Name                                    | PDK4                                                                                                                                |
| Preparation and Storage                        | Store at -20 degree C                                                                                                               |

### IMAGES



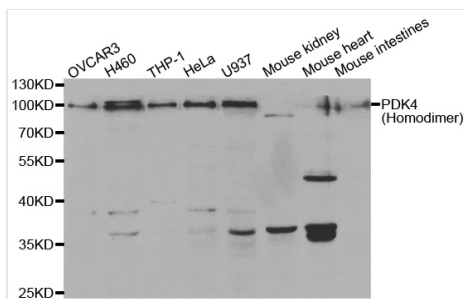
#### IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cell using PDK4 antibody. Blue: DAPI for nuclear staining.



#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human colon tissue using PDK4 antibody.



#### WB (Western Blot)

Western blot analysis of extracts of mouse pancreas cell lines, using PDK4 antibody.

## ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PDK4 antibody | 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. |
| Product Categories/Family for anti-PDK4 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                     |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| NCBI GI #                        | 4505693                                                                        |
| NCBI GeneID                      | 5166                                                                           |
| NCBI Accession #                 | NP_002603.1                                                                    |
| NCBI GenBank Nucleotide #        | NM_002612.3                                                                    |
| UniProt Accession #              | Q16654                                                                         |
| Molecular Weight                 | 46,469 Da                                                                      |
| NCBI Official Full Name          | pyruvate dehydrogenase kinase, isozyme 4                                       |
| NCBI Official Synonym Full Names | pyruvate dehydrogenase kinase, isozyme 4                                       |
| NCBI Official Symbol             | PDK4                                                                           |
| NCBI Protein Information         | pyruvate dehydrogenase kinase, isozyme 4                                       |
| UniProt Protein Name             | [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 4, mitochondrial |
| UniProt Gene Name                | <b>PDK4</b>                                                                    |
| UniProt Synonym Gene Names       | PDHK4                                                                          |
| UniProt Entry Name               | PDK4_HUMAN                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/pdk4-antibody-immunohistochemistry-western-blot-elisa/305225>