

## PDK1 (Phospho Tyr243) Rabbit pAb

CatalogNo: YP1632

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, ELISA, IHC

#### MW

- 50kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-2000**

**IHC 1:50-300**

**ELISA 1:2000-20000**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human PDHK1 (Phospho Tyr243)

**Specificity** This antibody detects endogenous levels of Human, Mouse, Rat PDHK1 (Phospho Tyr243). The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): Y(p)Y

## Target Information

**Gene name** PDK1 PDHK1

**Protein Name** PDHK1 (Phospho Tyr243)

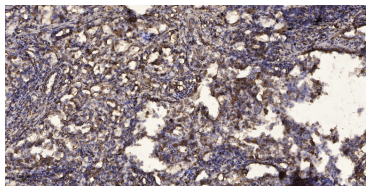
Organism	Gene ID	UniProt ID
Human	<a href="#">5163</a> ;	<a href="#">Q15118</a> ;
Mouse	<a href="#">228026</a> ;	<a href="#">Q8BFP9</a> ;
Rat		<a href="#">Q63065</a> ;

**Cellular Localization** Mitochondrion matrix .

**Tissue specificity** Expressed predominantly in the heart. Detected at lower levels in liver, skeletal muscle and pancreas.

**Function** Catalytic activity:ATP + [pyruvate dehydrogenase (acetyl-transferring)] = ADP + [pyruvate dehydrogenase (acetyl-transferring)] phosphate.,Function:Inhibits the mitochondrial pyruvate dehydrogenase complex by phosphorylation of the E1 alpha subunit, thus contributing to the regulation of glucose metabolism.,similarity:Belongs to the PDK/BCKDK protein kinase family.,similarity:Contains 1 histidine kinase domain.,tissue specificity:Expressed predominantly in the heart.,

## Validation Data



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

## Contact information

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