

## PFK-2 car (Phospho Ser483) Rabbit pAb

CatalogNo: YP0711 **Orthogonal Validated** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 58kD (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 1:500-1:2000**

**IHC 1:100-1:300**

**ELISA 1:40000**

**IF 1:50-200**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human PFKFB2 around the phosphorylation site of Ser483. AA range:451-500

## Specificity

Phospho-PFK-2 car (S483) Polyclonal Antibody detects endogenous levels of PFK-2 car protein only when phosphorylated at S483. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):NYsVG

## Target Information

**Gene name** PFKFB2

**Protein Name** 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2

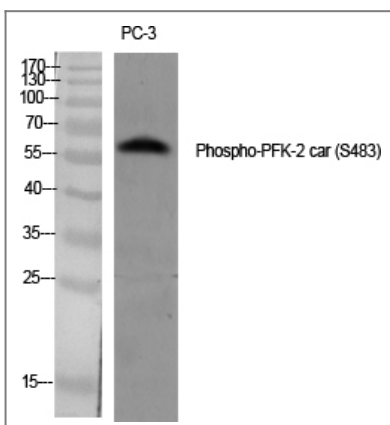
Organism	Gene ID	UniProt ID
Human	<a href="#">5208</a> ;	<a href="#">O60825</a> ;
Mouse	<a href="#">18640</a> ;	<a href="#">P70265</a> ;
Rat	<a href="#">24640</a> ;	<a href="#">Q9JJH5</a> ;

**Cellular Localization** cytosol ,

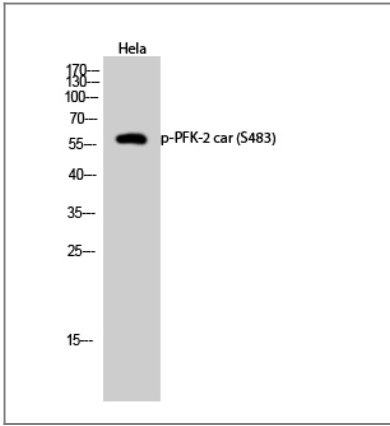
**Tissue specificity** Heart.

**Function** Catalytic activity:ATP + D-fructose 6-phosphate = ADP + beta-D-fructose 2 ,6-bisphosphate. ,Catalytic activity:Beta-D-fructose 2 ,6-bisphosphate + H (2) O = D-fructose 6-phosphate + phosphate. ,enzyme regulation:Phosphorylation results in the activation of the kinase activity. ,Function:Synthesis and degradation of fructose 2 ,6-bisphosphate. ,similarity:In the C-terminal section; belongs to the phosphoglycerate mutase family. ,subunit:Homodimer. ,tissue specificity:Heart. ,

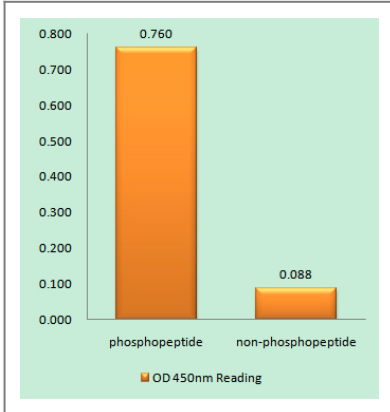
## Validation Data



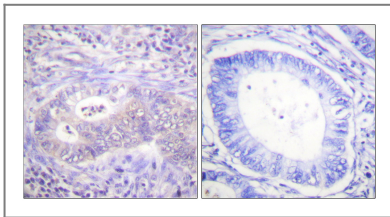
Western Blot analysis of various cells using Phospho-PFK-2 car (S483) Polyclonal Antibody diluted at 1:1000



Western Blot analysis of HeLa cells using Phospho-PFK-2 car (S483) Polyclonal Antibody diluted at 1:1000



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using PFKFB2 (Phospho-Ser483) Antibody



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using PFKFB2 (Phospho-Ser483) Antibody. The picture on the right is blocked with the phospho peptide.

## Contact information

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Please scan the QR code to access additional product information:  
**PFK-2 car (Phospho Ser483) Rabbit pAb**