

IPP-2 (Phospho Ser120/121) Rabbit pAb

CatalogNo: YP1011

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- IHC, IF, ELISA

MW

- 23kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

IHC 1:100-1:300**ELISA 1:5000****IF 1:50-200**

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.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human PPP1R2 around the phosphorylation site of Ser120 and Ser121. AA range: 86-135

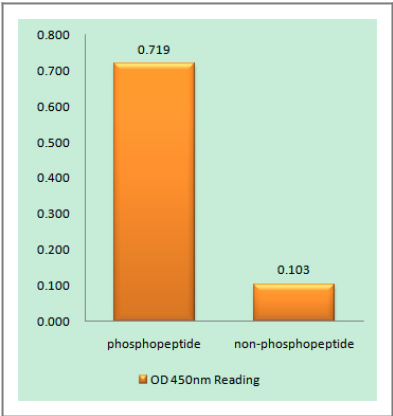
Specificity

This antibody detects endogenous levels of IPP-2 only when phosphorylated at Ser120 or Ser121, and dually phosphorylated at two sites. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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): EssGE

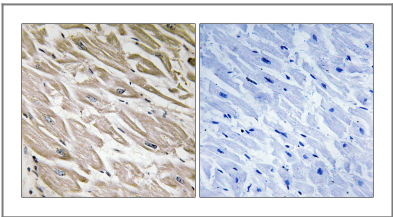
Target Information

Gene name	PPP1R2		
Protein Name	Protein phosphatase inhibitor 2		
	Organism	Gene ID	UniProt ID
	Human	5504 ;	P41236 ;
	Mouse	66849 ;	Q9DCL8 ;
	Rat	192361 ;	P50411 ;
Cellular Localization	protein phosphatase type 1 complex,		
Tissue specificity	Epithelium,Heart,Platelet,Skin,Testis,		
Function	Function:Inhibitor of protein-phosphatase 1.,PTM:Phosphorylation on Thr-73 by GSK3 activates PP1 by dissociating the PP1-PPP1R2 complex (By similarity). Phosphorylation on Ser-44 by ATM activates PP1 by dissociating the PP1-PPP1R2 complex.,similarity:Belongs to the protein phosphatase inhibitor 2 family.,subunit:Heterodimer with PP1.,		

Validation Data



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using PPP1R2 (Phospho-Ser120+Ser121) Antibody



Immunohistochemistry analysis of paraffin-embedded human heart, using PPP1R2 (Phospho-Ser120+Ser121) Antibody. The picture on the right is blocked with the phospho peptide.

Contact information

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Ser120/121) Rabbit
pAb**

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