

## IPP-2 (phospho Ser120/S121) Polyclonal Antibody

Catalog No: YP1011

**Reactivity:** Human; Mouse; Rat

**Applications:** IHC;IF;ELISA

Target: IPP-2

Gene Name: PPP1R2

**Protein Name:** Protein phosphatase inhibitor 2

P41236

Q9DCL8

Human Gene ld: 5504

**Human Swiss Prot** 

No:

Mouse Gene ld: 66849

**Mouse Swiss Prot** 

No:

**Rat Gene Id:** 192361

Rat Swiss Prot No: P50411

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:** Phospho-IPP-2 (S120/S121) Polyclonal Antibody detects endogenous levels of

IPP-2 protein only when phosphorylated at S120/S121.

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

Source: Polyclonal, Rabbit, IgG

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

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

1/3



chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

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

Molecularweight: 23kD

**Background :** Protein phosphatase-1 (PP1) is one of the main eukaryotic serine/threonine

phosphatases. The protein encoded by this gene binds to the catalytic subunit of PP1, strongly inhibiting its activity. Ten related pseudogenes have been found throughout the human genome. Several splice variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015],

**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

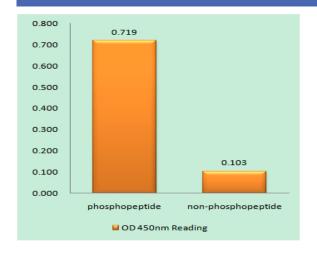
family., subunit: Heterodimer with PP1.,

Subcellular Location:

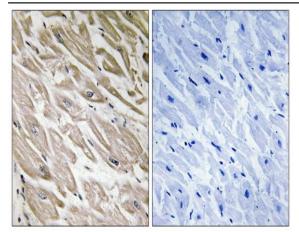
protein phosphatase type 1 complex,

**Expression:** Epithelium, Heart, Platelet, Skin, Testis,

## **Products Images**



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.