

Product Name: IPP-2 (phospho Ser120/S121) Rabbit Polyclonal Antibody
Catalog #: APRab04862



Summary

Production Name	IPP-2 (phospho Ser120/S121) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phospho Antibody
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	PPP1R2
Alternative Names	PPP1R2; IPP2; Protein phosphatase inhibitor 2; IPP-2
Gene ID	5504.0
SwissProt ID	P41236.The antiserum was produced against synthesized peptide derived from human PPP1R2 around the phosphorylation site of Ser120 and Ser121. AA range:86-135

Application

Dilution Ratio	IHC 1:100 - 1:300. ELISA: 1:5000..
Molecular Weight	

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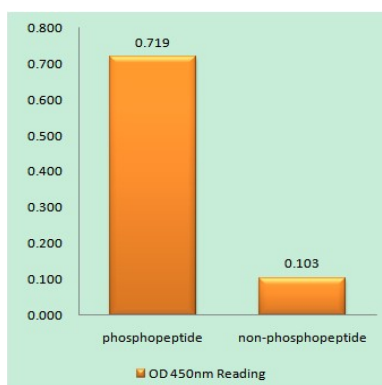


Background

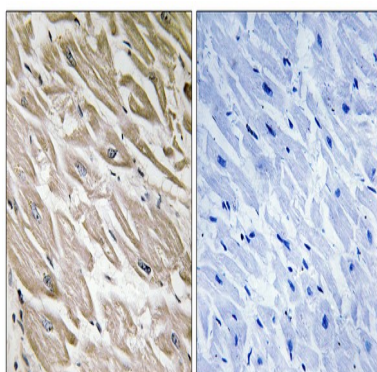
Protein phosphatase-1 (PP1) is one of the main eukaryotic serine/threonine phosphatases. The protein encoded by this gene binds to the catalytic subunit of PP1, strongly inhibiting its activity. Ten related pseudogenes have been found throughout the human genome. Several splice variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015],function: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.,

Research Area

Image 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.

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Note

For research use only.