

IPP-2 Polyclonal Antibody

Catalog No: YT2386

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: IPP-2

Gene Name: PPP1R2

Protein Name: Protein phosphatase inhibitor 2

P41236

Q9DCL8

Human Gene Id: 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. AA range:86-135

Specificity: IPP-2 Polyclonal Antibody detects endogenous levels of IPP-2 protein.

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

Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200

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

chromatography using epitope-specific immunogen.



Concentration: 1 mg/ml

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

Observed Band: 25kD

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,

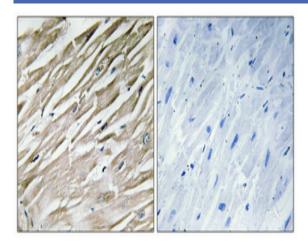
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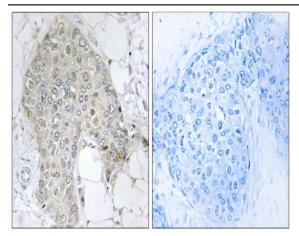
Host: Rabbit

Modifications: Unmodified

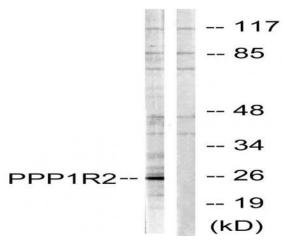
Products Images



Immunohistochemical analysis of paraffin-embedded Human heart. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using PPP1R2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, using PPP1R2 Antibody. The lane on the right is blocked with the synthesized peptide.