



# IPP-2 Polyclonal Antibody

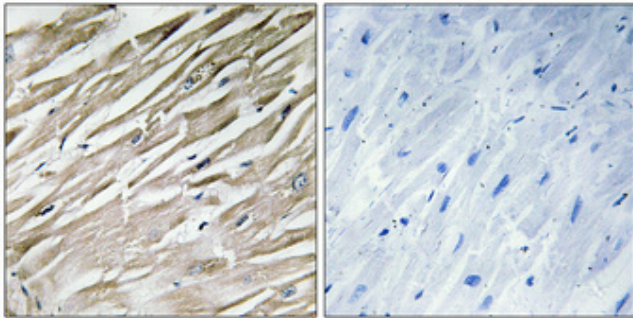
|                                  |                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                | YP-Ab-03931                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Isotype</b>                   | IgG                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Reactivity</b>                | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>              | WB;IHC;IF;ELISA                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Gene Name</b>                 | PPP1R2                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Name</b>              | Protein phosphatase inhibitor 2                                                                                                                                                                                                                                                                                                                                                            |
| <b>Immunogen</b>                 | The antiserum was produced against synthesized peptide derived from human PPP1R2. AA range:86-135                                                                                                                                                                                                                                                                                          |
| <b>Specificity</b>               | IPP-2 Polyclonal Antibody detects endogenous levels of IPP-2 protein.                                                                                                                                                                                                                                                                                                                      |
| <b>Formulation</b>               | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>                    | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purification</b>              | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                      |
| <b>Dilution</b>                  | WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200                                                                                                                                                                                                                                                                                                                        |
| <b>Concentration</b>             | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>                    | ≥90%                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Stability</b>         | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>                  | PPP1R2; IPP2; Protein phosphatase inhibitor 2; IPP-2                                                                                                                                                                                                                                                                                                                                       |
| <b>Observed Band</b>             | 25kD                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Cell Pathway</b>              | protein phosphatase type 1 complex,                                                                                                                                                                                                                                                                                                                                                        |
| <b>Tissue Specificity</b>        | Epithelium,Heart,Platelet,Skin,Testis,                                                                                                                                                                                                                                                                                                                                                     |
| <b>Function</b>                  | 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.,                                           |
| <b>Background</b>                | 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], |
| <b>matters needing attention</b> | Avoid repeated freezing and thawing!                                                                                                                                                                                                                                                                                                                                                       |



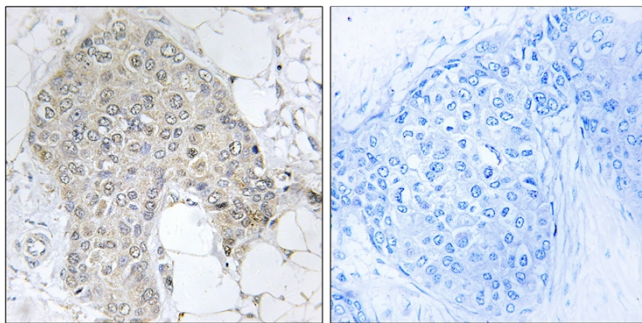
## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

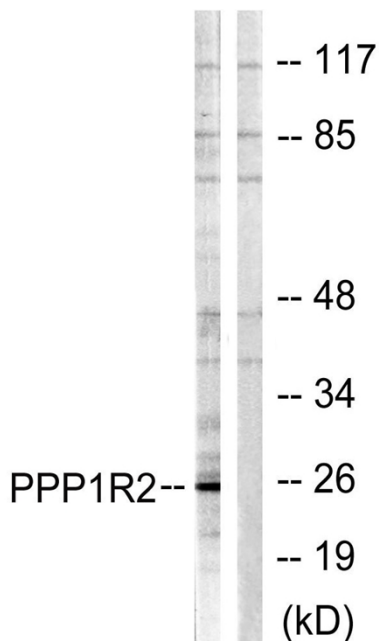
## Products Images



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. Negative contrl (right) obtained 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.