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**Product Name: PPP1CA+1CB Rabbit Monoclonal Antibody****Catalog #: AMRe83703**

For research use only.

**Summary**

|                      |   |
|----------------------|---|
| <b>Description</b>   | Recombinant rabbit monoclonal antibody  |
| <b>Host</b>          | Rabbit  |
| <b>Application</b>   | WB,IHC,ICC/IF,ICC,IP  |
| <b>Reactivity</b>    | Human,Mouse,Rat   |
| <b>Conjugation</b>   | Unconjugated  |
| <b>Modification</b>  | Unmodified  |
| <b>Isotype</b>       | IgG   |
| <b>Clonality</b>     | Monoclonal  |
| <b>Form</b>          | Liquid  |
| <b>Concentration</b> | 0.38mg/ml. The concentration of this product may be batch-dependent.                        |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.                 |
| <b>Shipping</b>      | Ice bags  |
| <b>Buffer</b>        | Purified antibody in PBS with 0.05% sodium azide,0.05% protective protein and 50% glycerol. |
| <b>Purification</b>  | Affinity Purification   |

**Application**

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | WB 1:1000-1:2000,IHC 1:100-1:200,ICC/IF 1:50-1:200,ICC 1:50-1:200,IP 1:20-1:50 |
| <b>Molecular Weight</b> | Calculated MW: 38,37 kDa ; Observed MW: 37 kDa                                 |

**Antigen Information**

|                          |  |
|--------------------------|--|
| <b>Gene Name</b>         | PPP1CA+1CB   |
| <b>Alternative Names</b> | PP-1A; PP-1B; PP1A; PP1alpha; PP1B; PP1beta; PPP1A; PPP1CD;PPP1A/B |
| <b>Gene ID</b>           |  |
| <b>SwissProt ID</b>      | P62136/P62140  |
| <b>Immunogen</b>         | A synthesized peptide derived from human PPP1A                     |

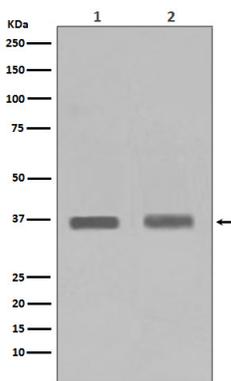
**Background**

Protein phosphatase that associates with over 200 regulatory proteins to form highly specific holoenzymes which dephosphorylate hundreds of biological targets. Protein phosphatase 1 (PP1) is essential for cell division, and participates in

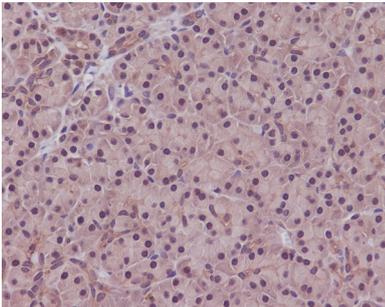
the regulation of glycogen metabolism, muscle contractility and protein synthesis. Involved in regulation of ionic conductances and long-term synaptic plasticity.

## Research Area

## Image Data



Western blot analysis of PPP1CA + PPP1CB expression in (1) Jurkat cell lysate; (2) HeLa cell lysate.



Immunohistochemical analysis of paraffin-embedded human pancreas, using PPP1CA+PPP1CB Antibody.