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|--------------------------|---|
| <b>Cat. No:</b>          | ABN16400  |
| <b>Conjugate:</b>        | Unconjugated  |
| <b>Size:</b>             | 100µL   |
| <b>Clone:</b>            | Polyclonal  |
| <b>Concentration:</b>    | 1mg/ml  |
| <b>Host:</b>             | Rabbit  |
| <b>Isotype:</b>          | IgG   |
| <b>Immunogen:</b>        | The antiserum was produced against synthesized peptide derived from human PPM1K. AA range:205-254   |
| <b>Reactivity:</b>       | Human,Rat,Mouse   |
| <b>Applications:</b>     | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000   |
| <b>Molecular Weight:</b> | 45kDa   |
| <b>Purification:</b>     | Affinity purification   |
| <b>Synonyms:</b>         | PPM1K; PP2CM; Protein phosphatase 1K; mitochondrial; PP2C domain-containing protein phosphatase 1K; PP2C-like mitochondrial protein; PP2C-type mitochondrial phosphoprotein phosphatase; PTMP; Protein phosphatase 2C isoform kappa; PP2C-kappa<br><br>This gene encodes a member of the PPM family of Mn <sup>2+</sup> /Mg <sup>2+</sup> -dependent protein phosphatases. The encoded protein, essential for cell survival and development, is targeted to the mitochondria where it plays a key role in regulation of the mitochondrial permeability transition pore. [provided by RefSeq, Sep 2012],catalytic activity:A phosphoprotein + H(2)O = a protein + phosphate.,caution:Ref.9 has crystallized PPM1K in the presence of magnesium ions. However, PubMed:17336929 reported that no activity toward p-nitrophenylphosphate was seen in the absence of manganese ions and magnesium could not substitute for manganese.,cofactor:Binds 1 magnesium or manganese ion per subunit.,function:Regulates the mitochondrial permeability transition pore and is essential for cellular survival and development.,similarity:Belongs to the PP2C family.,similarity:Contains 1 PP2C-like domain., |
| <b>Background:</b>       |   |
| <b>Form:</b>             | Liquid  |
| <b>Buffer:</b>           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.  |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.  |

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