

IPP2 (Q116) polyclonal antibody

Catalog: AP0459

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Two inhibitors of protein phosphatase 1 (PP1) include the phosphatase inhibitor 1 (IPP-1) and phosphatase inhibitor 2 (IPP-2). IPP-2, also known as I-2, interacts with the catalytic subunit of PP1 to form the heterodimer PP1I. The PP1I complex is present in the cytosol of cells in a broad range of vertebrate and invertebrate species. Although the heterodimer itself is inactive, a reversible phosphorylation of IPP-2 at Thr 72 by glycogen-synthase-kinase (GSK3) initiates activation of the heterodimer complex in vitro. Phosphorylation of IPP-2 by casein kinase-II at Ser 86, Ser 120, and Ser 121 enhances the rate of phosphorylation by GSK3 at Thr 72 and effectively activates the heterodimer complex. Besides moderating PP1 activity, IPP-2 may play a role as a chaperone for the correct folding of PP1.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 30 kDa

Swiss-Prot:

P41236

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 107% (by SDS-PAGE).

Applications:

WB: 1:1000~1:2000

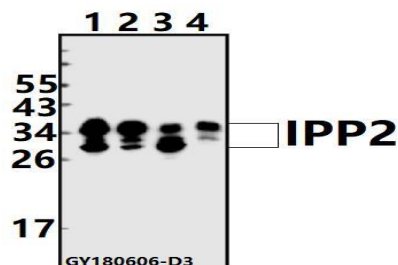
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

IPP2(Q116) polyclonal antibody detects endogenous levels of IPP2 protein.

DATA:



Western blot (WB) analysis of IPP2 (Q116) pAb at 1:2000 dilution

Lane1:EC9706 whole cell lysate(40ug)

Lane2:HCT116 whole cell lysate(40ug)

Lane3:AML-12 whole cell lysate(40ug)

Lane4:H9C2 whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.

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