PPM1K polyclonal antibody

| Catalog: | BS62439 | Host: | Rabbit | Reactivity: | Human,Rat,Mouse |

BackGround:

PP2Cκ (protein phosphatase 2C isoform κ), also known as PP2C-type mitochondrial phosphoprotein phosphatase and PP2C domain-containing protein phosphatase 1K, is a 372 amino acid mitochondrial matrix protein that regulates the opening of mitochondrial membrane permeability transition pores. PP2Cκ is essential for cell survival, cardiac function and embryonic development. Knockdown of PP2Cκ results in cell death due to loss of mitochondrial membrane potential. PP2Cκ specifically binds to the branched-chain- α ketoacid dehydrogenase (BCKD) complex and induces dephosphorylation of Ser293, effectively leading to the inhibition of branched chain amino acid metabolism. Highest expression of PP2Cκ is found in brain, diaphragm and heart. There are three isoforms of PP2Cκ that are produced as a result of alternative splicing events.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.4.

Molecular Weight:

~ 34,36 kDa

Swiss-Prot:

Q8N3J5

Purification&Purity:

The protein was purified from E.coli and the purity is > 95% (by SDS-PAGE).

Applications:

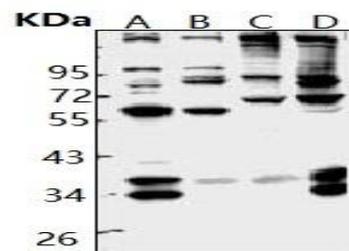WB:1:500~1:1000   IHC:1:50~1:200

Storage&Stability:

Store at 4 ℃ short term. Aliquot and store at -25 ℃ long term. Avoid freeze-thaw cycles.

Specificity:

PPM1K polyclonal antibody detects endogenous levels of PPM1K protein.

DATA:

Western blot (WB) analysis of PPM1K polyclonal antibody at 1:500 dilution

LaneA:A549 whole cell lysate

LaneB:H1792 whole cell lysate

LaneC:CT-26 whole cell lysate

LaneD:PC12 whole cell lysate

Note:

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