PHLPP1 polyclonal antibody

Catalog: BS60440 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

SCOP (Suprachiasmatic nucleus circadian oscillatory protein, PHLPP, PH domain and leucine rich repeat protein phosphatase, PLEKHE1) is a phosphatase that directly dephosphorylates Akt, promotes apoptosis, and suppresses tumor growth. Endogenous SCOP in human embryonic kidney cell lysates produces a major protein and minor protein. SCOP negatively regulates K-Ras signaling in membrane rafts and contributes to the regulation of the Ras-MAPK signaling pathway. Recombinant SCOP can dephosphorylate the hydrophobic motif of Akt1 (ser-473) in vitro, triggering apoptosis and suppressing tumor growth. SCOP levels appear lower in certain colon cancer and glioblastoma cell lines that show elevated Akt phosphorylation. Rat tissues that express SCOP include cerebrum, cerebellum, and testis.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 171 kDa

Swiss-Prot:

O60346

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

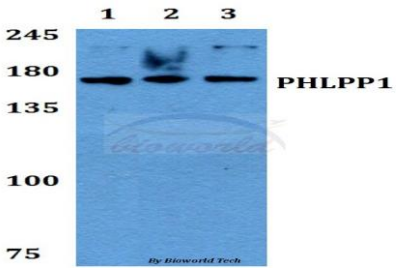
Storage&Stability:

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

Specificity:

PHLPP1 polyclonal antibody detects endogenous levels of PHLPP1 protein.

DATA:



Western blot (WB) analysis of PHLPP1 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:sp2/0 whole cell lysate

Lane3:PC12 whole cell lysate

Note:

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

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