

**ARPP19 polyclonal antibody**

Catalog: BS32932

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

cAMP-regulated phosphoprotein 19: Protein phosphatase inhibitor that specifically inhibits protein phosphatase 2A (PP2A). Inhibition of PP2A is enhanced when ARPP19 is phosphorylated. When phosphorylated at Ser-62 during mitosis, specifically interacts with PPP2R2D (PR55-delta) and inhibits its activity, leading to inactivation of PP2A, an essential condition to keep cyclin-B1-CDK1 activity high during M phase. May indirectly enhance GAP-43 expression (By similarity)

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~12.3 kDa

Swiss-Prot:

P56211

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

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

Specificity:

Recognizes endogenous levels of ARPP19 protein

DATA:

Western blot analysis of Cav3.1 expression in Myla2059 (A), Hela (B), A549 (C) whole cell lysates.

Immunofluorescent analysis of Cav3.1 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Note:

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

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