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ARPP19 (N2) Antibody, Rabbit Polyclonal

Cat#: R1690-2

Quantity: 100 ul

Predicted | Observed M.W.: 12 | 20 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P56211

Background:

cAMP-regulated phosphoprotein 19 (ARPP19) belongs to the endosulfine family and is a protein phosphatase inhibitor that specifically inhibits protein phosphatase 2A (PP2A) during mitosis. When phosphorylated at Ser-62 during mitosis, ARPP19 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. Additionally, ARPP19 may indirectly enhance GAP-43 expression.

Other Names:

cAMP-regulated phosphoprotein 19

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human ARPP19. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

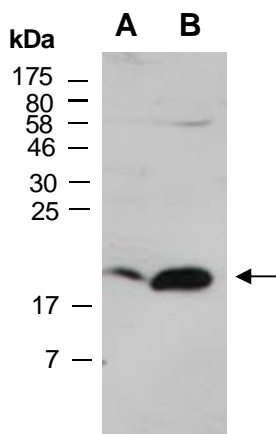


Fig 1. Western blot of total cell extracts from A) mouse brain, B) mouse thymus; using anti-ARPP19 (N2) (R1690-2) at RT for 2 h.