

ATP2B2 polyclonal antibody

Catalog: BCP00253

Host: Rabbit

Reactivity: Human,Mouse,Rat

BackGround:

Plasma membrane-type Ca²⁺-ATPases (PMCA) mediate the export of bivalent calcium ions from eukaryotic cells. As members of the P class of ion-motive ATPases, PMCA are a functionally diverse group of proteins that are derived from alternatively spliced transcripts originating from four distinct genes, PMCA1, 2, 3, and 4. The expression of different PMCA isoforms and splice variants is regulated in a developmental, tissue- and cell type-specific manner, and with respect to the physiological needs of specific cell and tissue types. Spatial and temporal rates of resting intracellular Ca²⁺ concentrations and Ca²⁺ signaling in eukaryotic cells are dependent on the array of PMCA isoforms that are expressed in concert with the rate of Ca²⁺ export. The human PMCA2 gene is located on chromosome 3, and antibodies directed against PMCA2 detect three proteins in brain and heart. Homozygous null mutations in the mouse gene result in deafwaddler mice, which are characterized by having a hesitant, wobbly gait, displaying head bobbing, and are deaf.

Product:

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

Molecular Weight:

~ 136 kDa

Swiss-Prot:

Q01814

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

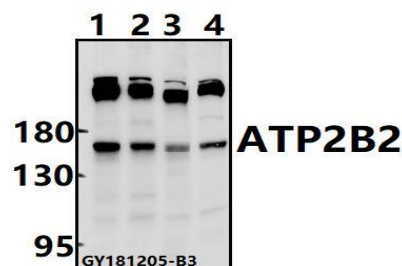
Storage&Stability:

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

Specificity:

ATP2B2 polyclonal antibody detects endogenous levels of ATP2B2 protein.

DATA:



Western blot (WB) analysis of ATP2B2 pAb at 1:500 dilution

Lane1:A2780 whole cell lysate(40ug)

Lane2:L02 whole cell lysate(40ug)

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

Lane4:C6 whole cell lysate(40ug)

Note:

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