

# ATP2B4 Rabbit pAb

Catalog No.: A10105

## Basic Information

### Observed MW

138kDa

### Calculated MW

138kDa

### Category

Primary antibody

### Applications

ELISA,WB

### Cross-Reactivity

Mouse

## Background

The protein encoded by this gene belongs to the family of P-type primary ion transport ATPases characterized by the formation of an aspartyl phosphate intermediate during the reaction cycle. These enzymes remove bivalent calcium ions from eukaryotic cells against very large concentration gradients and play a critical role in intracellular calcium homeostasis. The mammalian plasma membrane calcium ATPase isoforms are encoded by at least four separate genes and the diversity of these enzymes is further increased by alternative splicing of transcripts. The expression of different isoforms and splice variants is regulated in a developmental, tissue- and cell type-specific manner, suggesting that these pumps are functionally adapted to the physiological needs of particular cells and tissues. This gene encodes the plasma membrane calcium ATPase isoform 4. Alternatively spliced transcript variants encoding different isoforms have been identified.

## Recommended Dilutions

WB 1:1000 - 1:4000

## Immunogen Information

### Gene ID

493

### Swiss Prot

P23634

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1141-1205 of human ATP2B4 (NP\_001675.3).

### Synonyms

MXRA1; PMCA4; ATP2B2; PMCA4b; PMCA4x; ATP2B4

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

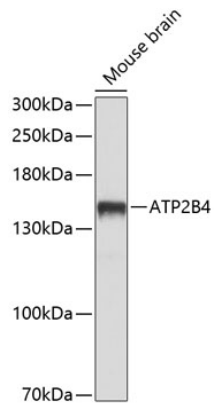
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of extracts of mouse brain, using ATP2B4 antibody (A10105) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 5s.