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ATP2B4 Polyclonal Antibody

Cat #: G-AB-07312

Host: Rabbit **Reactivity:** Mouse

Isotype: IgG **Clonality:**

Overview:
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.

Gene ID: 493

Accession #:

Immunogen: Recombinant fusion protein of human ATP2B4 (NP_001675.3).

Conjugation: Unconjugated

Swissprot: P23634

Calculated Molecular Weight: 124-137 kDa

Observed Molecular Weight: 138 kDa

Concentration: 1 mg/mL

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

Purification Method: Affinity purification

Application: WB

Dilution: WB 1:1000-1:4000

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