

Product datasheet

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ARG65754 anti-PMCA2 antibody

Package: 100 μl, 50 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes PMCA2

Tested Reactivity Hu, Ms, Rat

Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name PMCA2
Species Human

Immunogen Recombinant protein of Human PMCA2

Conjugation Un-conjugated

Alternate Names PMCA2; PMCA2i; PMCA2a; EC 3.6.3.8; Plasma membrane calcium ATPase isoform 2; Plasma membrane

calcium pump isoform 2; Plasma membrane calcium-transporting ATPase 2

Application Instructions

Predict Reactivity Note Human

Application table Application Dilution

WB 1:500 - 1:2000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations

should be determined by the scientist.

Positive Control Mouse liver

Properties

Form Liquid

Purification Affinity purification with immunogen.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol Gene Full Name Background ATP2B2

ATPase, Ca++ transporting, plasma membrane 2

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 2. Alternatively spliced transcript variants encoding different

isoforms have been identified. [provided by RefSeq, Jul 2008]

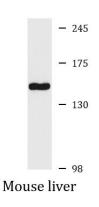
This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of calcium

out of the cell. [UniProt]

Calculated Mw 137 kDa

Images

Function



ARG65754 anti-PMCA2 antibody WB image

Western blot: Mouse liver lysate stained with ARG65754 anti-PMCA2 antibody.