
SLC8A1 Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 253215

Unit: 0.1 ml

Description:

Ca²⁺ plays a critical role in intracellular signaling and thus regulation of calcium balance is critical for the maintenance of this signaling function. The plasma membrane Na⁺/Ca²⁺ (NaCX) exchangers mediate Na⁺-dependent Ca²⁺ efflux in a wide variety of cell types. NaCX can move Ca²⁺ either into or out of cells, depending on the net Na⁺, Ca²⁺, and K⁺ gradient across the membrane. NaCX-1 is most prominently expressed in the heart where it plays a major role in excitation-contraction coupling. NaCX-1 may also be a target for protection of the heart and brain from ischemia and reperfusion injury.

Isotype: Mouse IgG2b

Applications: E, WB

Species Reactivity: H, M, R, Rb

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Sodium/calcium exchanger 1; Na(+)/Ca(2+)-exchange protein 1; Slc8a1

Accession No.: Q01728

Antigen: KLH-conjugated peptide encompassing a sequence within the N-term region of rabbit sodium calcium exchanger 1.

Application Notes: E: 1:500-1:1,000; WB: 1:1,000

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

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.