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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# SLC8A1 Polyclonal Antibody

Catalog Number: E-AB-92771



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

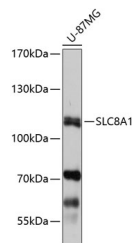
## Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant fusion protein of human SLC8A1
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.01% thiomersal, 50% glycerol, pH 7.3.

## Applications Recommended Dilution

<b>WB</b>	1:500-1:2000
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## Data



Western blot analysis of extracts of U-87MG cells using SLC8A1 Polyclonal Antibody at 1:1000 dilution.

**Observed MW: 109kDa**

**Calculated Mw: 104kDa/107kDa/108kDa**

## Preparation & Storage

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

## Background

In cardiac myocytes, Ca(2+) concentrations alternate between high levels during contraction and low levels during relaxation. The increase in Ca(2+) concentration during contraction is primarily due to release of Ca(2+) from intracellular stores. However, some Ca(2+) also enters the cell through the sarcolemma (plasma membrane). During relaxation, Ca(2+) is sequestered within the intracellular stores. To prevent overloading of intracellular stores, the Ca(2+) that entered across the sarcolemma must be extruded from the cell. The Na(+)-Ca(2+) exchanger is the primary mechanism by which the Ca(2+) is extruded from the cell during relaxation. In the heart, the exchanger may play a key role in digitalis action. The exchanger is the dominant mechanism in returning the cardiac myocyte to its resting state following excitation.

## For Research Use Only

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