

SLC8A1 Rabbit Polyclonal Antibody



CAB5583

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

109kDa

Calculated MW:

104kDa/107kDa/108kDa

Applications:

WB IHC

Reactivity:

Human, Mouse, Rat

Protein 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.

Immunogen information

Gene ID:

6546

Uniprot

P32418

Antibody Information

Recommended dilutions:

WB 1:1000 - 1:2000 IHC

1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Synonyms:

SLC8A1; NCX1

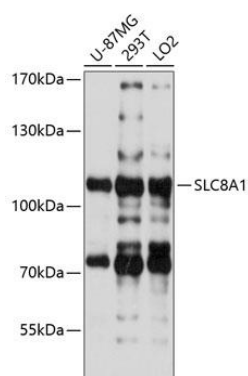
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 250-520 of human SLC8A1 (NP_066920.1).

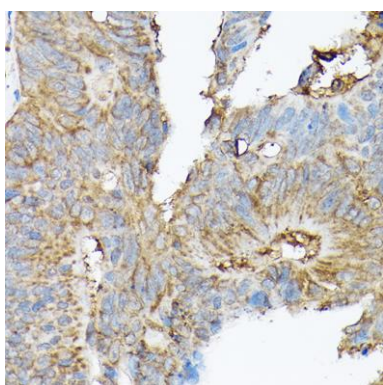
Storage:

Store at -20°C . Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

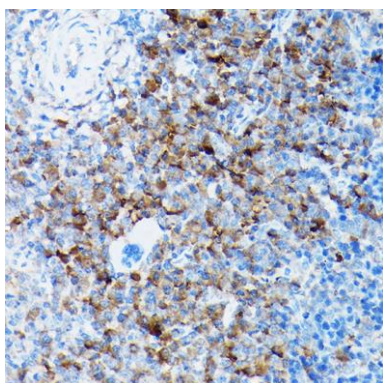
Product Images



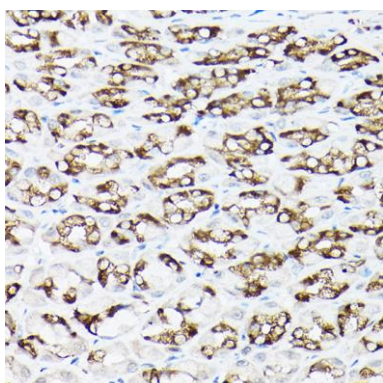
Western blot analysis of extracts of various cell lines, using SLC8A1 antibody (CAB5583) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.



Immunohistochemistry of paraffin-embedded human colon carcinoma using SLC8A1 Rabbit pAb (CAB5583) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse spleen using SLC8A1 Rabbit pAb (CAB5583) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat stomach using SLC8A1 Rabbit pAb (CAB5583) at dilution of 1:100 (40x lens).