

## Rabbit SLC8A1 Polyclonal Antibody | anti-SLC8A1 antibody

SLC8A1 Polyclonal Antibody

|                               |                       |                                        |                                                    |
|-------------------------------|-----------------------|----------------------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA175780</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry</b> |
|-------------------------------|-----------------------|----------------------------------------|----------------------------------------------------|

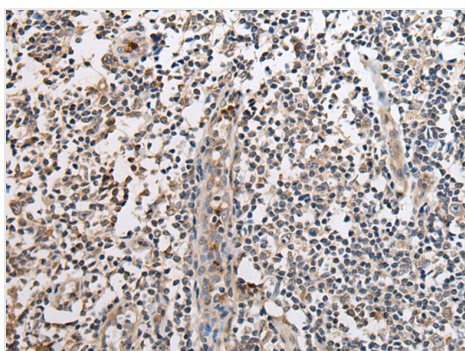
### PRODUCT SYNONYMS

SLC8A1; Polyclonal Antibody; SLC8A1 Polyclonal Antibody; CNC; DKFZp779F0871; MGC119581; Na(+)/Ca(2+)-exchange protein 1; Na+/Ca2+ exchange protein 1; Na+/Ca2+ exchanger; NAC1; NCX 1; NCX; NCX1; SLC8A1 protein; Sodium Calcium Exchanger; Sodium/calcium exchanger 1; Solute carrier family 8 (sodium/calcium exchanger) member 1; Solute carrier family 8 member 1; anti-SLC8A1 antibody

### PRODUCT SPECIFICATIONS

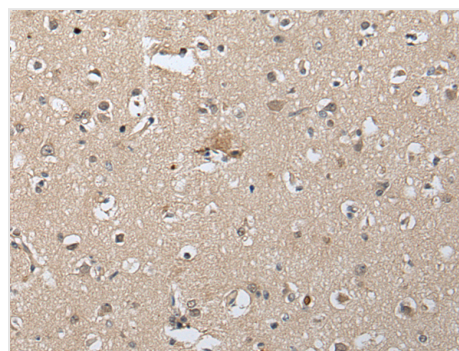
|                                                  |                                                  |
|--------------------------------------------------|--------------------------------------------------|
| Host                                             | Rabbit                                           |
| Reactivity                                       | Human, Mouse, Rat                                |
| Clonality                                        | Polyclonal                                       |
| Isotype                                          | IgG                                              |
| Purity/Purification                              | Antigen Affinity Purification                    |
| Form/Format                                      | PBS with 0.05% NaN3 and 40% Glycerol, pH7.4      |
| Concentration                                    | 0.9mg/mL (varies by lot)                         |
| Sequence Length                                  | 40                                               |
| Applicable Applications for anti-SLC8A1 antibody | ELISA, IHC (Immunohistochemistry)                |
| Immunogen                                        | Synthetic peptide of human SLC8A1                |
| Conjugation                                      | Unconjugated                                     |
| Preparation and Storage                          | Store at -20 degree C. Avoid freeze/thaw cycles. |

### IMAGES



**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Human tonsil tissue using SLC8A1 Polyclonal Antibody at dilution of 1:25(×200)



**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Human brain tissue using SLC8A1 Polyclonal Antibody at dilution of 1:25(×200)

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SLC8A1 antibody | 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. |
| Product Categories/Family for anti-SLC8A1 antibody   | Cancer; Cardiovascular; Metabolism; Signal transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                   |
|----------------------------------|-----------------------------------|
| NCBI GI #                        | 1008973                           |
| NCBI GeneID                      | 6546                              |
| UniProt Accession #              | P32418                            |
| NCBI Official Full Name          | Na+/Ca2+ exchanger, partial       |
| NCBI Official Synonym Full Names | solute carrier family 8 member A1 |
| NCBI Official Symbol             | SLC8A1                            |
| NCBI Official Synonym Symbols    | NCX1                              |
| NCBI Protein Information         | sodium/calcium exchanger 1        |
| UniProt Protein Name             | Sodium/calcium exchanger 1        |
| UniProt Gene Name                | SLC8A1                            |
| UniProt Synonym Gene Names       | CNC; NCX1                         |
| UniProt Entry Name               | NAC1_HUMAN                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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