

Rabbit SLC8A1 Polyclonal Antibody | anti-SLC8A1 antibody

SLC8A1 Antibody

CATALOG # AAA309399	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry
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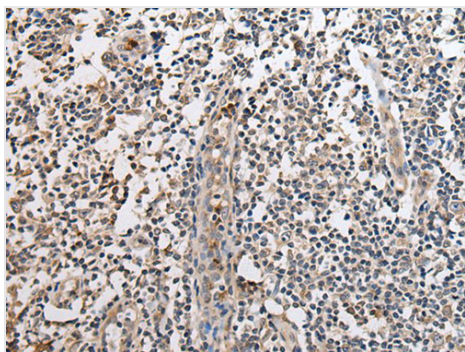
PRODUCT SYNONYMS

SLC8A1; Polyclonal Antibody; SLC8A1 Antibody; NCX1; anti-SLC8A1 antibody

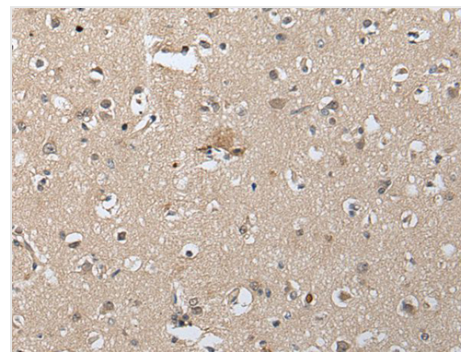
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total SLC8A1 protein.
Purity/Purification	Antigen affinity purification
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	968
Applicable Applications for anti-SLC8A1 antibody	IHC (Immunohistochemistry)
Immunogen	Synthetic peptide of human SLC8A1
Immunogen Type	Peptide
Preparation and Storage	Store at -20 degree C

IMAGES


IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using SLC8A1 Antibody at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: x200)


IHC (Immunohistochemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using SLC8A1 Antibody at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: x200)

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	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	163914369
NCBI GeneID	6546
NCBI Accession #	NP_001106271.1
NCBI GenBank Nucleotide #	NM_001112800.1
UniProt Accession #	P32418; O95849; Q4QQG6; Q587I6; Q59GN4; Q9UBL8; Q9UD55; Q9UDN1; Q9UDN2; Q9UKX6; A8K6N1; D6W595
Molecular Weight	107,938 Da
NCBI Official Full Name	sodium/calcium exchanger 1 isoform B
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 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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Online datasheet: <https://stage.aaabiotech.com/polyclonal/slc8a1-antibody-immunohistochemistry-elisa/309399>