

Rabbit NCX1 Polyclonal Antibody | anti-NCX1 antibody

NCX1 Polyclonal Antibody

CATALOG # AAA296105	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
-------------------------------	-----------------------	--	-------------------------------------

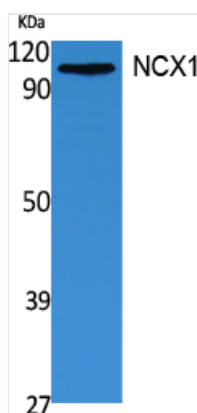
PRODUCT SYNONYMS

NCX1; Polyclonal Antibody; NCX1 Polyclonal Antibody; SLC8A1; CNC; Sodium/calcium exchanger 1; Na (+)/Ca (2+)-exchange protein 1; anti-NCX1 antibody

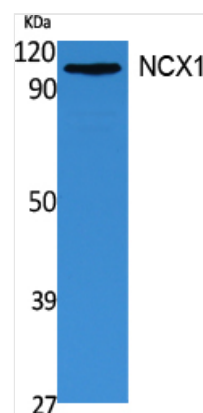
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Applicable Applications for anti-NCX1 antibody	WB (Western Blot)
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Detected primarily in heart and at lower levels in brain (PubMed:1374913). Expressed in cardiac sarcolemma, brain, kidney, liver, pancreas, skeletal muscle, placenta and lung (PubMed:1476165)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.


WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.

ADDITIONAL INFORMATION

Related Product Information for anti-NCX1 antibody	Mediates the exchange of one Ca(2+) ion against three to four Na(+) ions across the cell membrane, and thereby contributes to the regulation of cytoplasmic Ca(2+) levels and Ca(2+)-dependent cellular processes (PubMed:1374913, PubMed:11241183, PubMed:1476165). Contributes to Ca(2+) transport during excitation-contraction coupling in muscle. In a first phase, voltage-gated channels mediate the rapid increase of cytoplasmic Ca(2+) levels due to release of Ca(2+) stores from the endoplasmic reticulum. SLC8A1 mediates the export of Ca(2+) from the cell during the next phase, so that cytoplasmic Ca(2+) levels rapidly return to baseline. Required for normal embryonic heart development and the onset of heart contractions.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	1008973
NCBI GeneID	6546
UniProt Accession #	P32418; O95849; Q4QQG6; Q587I6; Q59GN4; Q9UBL8; Q9UD55; Q9UDN1; Q9UDN2; Q9UKX6; A8K6N1; D6W595
Molecular Weight	108,547 Da
NCBI Official Full Name	Na+/Ca2+ exchanger
NCBI Official Synonym Full Names	solute carrier family 8 (sodium/calcium exchanger), member 1
NCBI Official Symbol	SLC8A1
NCBI Official Synonym Symbols	NCX1
NCBI Protein Information	sodium/calcium exchanger 1; Na+/Ca++ exchanger; Na+/Ca2+ exchanger; Na(+)/Ca(2+)-exchange protein 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ncx1-antibody-western-blot-elisa/296105>