

产品名称: NCX1 (13Y2) Rabbit Monoclonal Antibody
产品货号: AMRe14460



产品概述 (Summary)

产品名称 (Production Name)	NCX1 (13Y2) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	SLC8A1
别名 (Alternative Names)	Na ⁺ /Ca ²⁺ exchanger; NCX1; SLC8A1;
基因 ID (Gene ID)	6546.0
蛋白 ID (SwissProt ID)	P32418.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:5000
蛋白分子量 (Molecular Weight)	109kDa

研究背景 (Background)

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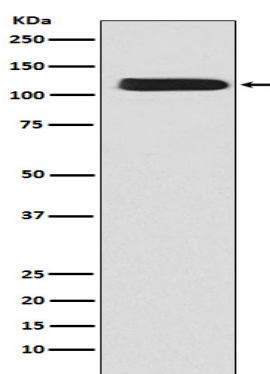


Rapidly transports Ca^{2+} during excitation-contraction coupling. Ca^{2+} is extruded from the cell during relaxation so as to prevent overloading of intracellular stores. Mediates the exchange of one Ca^{2+} ion against three to four Na^{+} ions across the cell membrane, and thereby contributes to the regulation of cytoplasmic Ca^{2+} levels and Ca^{2+} -dependent cellular processes (PubMed:[1374913](http://www.uniprot.org/citations/1374913), PubMed:[11241183](http://www.uniprot.org/citations/11241183), PubMed:[1476165](http://www.uniprot.org/citations/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.

研究领域 (Research Area)

Calcium;Cardiac muscle contraction;Hypertrophic cardiomyopathy (HCM);Arrhythmogenic right ventricular cardiomyopathy (ARVC);Dilated cardiomyopathy;

图片 (Image Data)



Western blot analysis of NCX1 expression in K562 cell lysate.

注意事项 (Note)

For research use only .