

产品名称: NCX1 Rabbit Polyclonal Antibody
产品货号: APRab14461



产品概述 (Summary)

产品名称 (Production Name)	NCX1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
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)	Polyclonal
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)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	SLC8A1
别名 (Alternative Names)	SLC8A1; CNC; NCX1; Sodium/calcium exchanger 1; Na(+)/Ca(2+)-exchange protein 1
基因 ID (Gene ID)	6546.0
蛋白 ID (SwissProt ID)	P32418.Synthesized peptide derived from NCX1 . at AA range: 270-350

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:10000
蛋白分子量 (Molecular Weight)	108kDa

研究背景 (Background)

产品名称: NCX1 Rabbit Polyclonal Antibody
产品货号: AP Rab14461

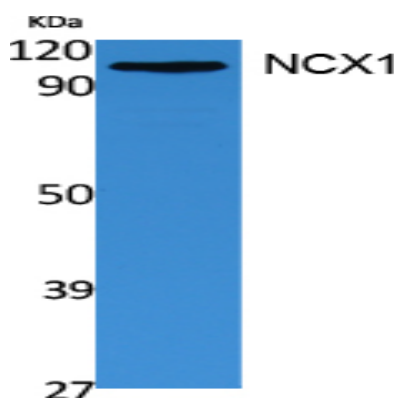


In cardiac myocytes, Ca^{2+} concentrations alternate between high levels during contraction and low levels during relaxation. The increase in Ca^{2+} concentration during contraction is primarily due to release of Ca^{2+} from intracellular stores. However, some Ca^{2+} also enters the cell through 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.[supplied by OMIM, Apr 2004],alternative products:Additional isoforms seem to exist,enzyme regulation:By ATP.,function: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.,similarity:Belongs to the sodium/potassium/calcium exchanger family. SLC8 subfamily.,similarity:Contains 2 Calx-beta domains.,tissue specificity:Cardiac sarcolemma.,

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 extracts from 293 cells, using NCX1 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

注意事项 (Note)

For research use only .